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DATA MANAGEMENT STUDY

APPENDIX H
CONTRACTOR DATA PACKAGE
LOGISTICS AND SUPPORT (LS)

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ENGINEERING MANAGEMENT
VOYAGER SPACECRAFT SYSTEM PROJECT

APPROVED BY

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DATA MANAGEMENT AND CONTROL TASK
VOYAGER SPACECRAFT SYSTEM PROJECT

PREPARED FOR

JET PROPULSION LABORATORY
CALIFORNIA INSTITUTE OF TECHNOLOGY
4800 OAK GROVE DRIVE
PASADENA, CALIFORNIA

UNDER JPL CONTRACT No. 951112

GENERAL  ELECTRIC

MISSILE AND SPACE DIVISION
Valley Forge Space Technology Center
P. O. Box 8555 • Philadelphia, Penna. 19101

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INTRODUCTION

This appendix presents the Contractor Data Package (Data Item Matrix, Data Requirement Descriptions, User Flow Diagram, Document Relationship Tree, and Frequency and Phasing Charts for Logistics and Support (LS).

These data pertain to logistic concepts, programming, planning, and control pertinent to such areas as transportation, supply, maintenance, and support facilities.

The complete list of Contractor Data Package appendixes is as follows:

Appendix A	-	Technical Description and System Engineering (SE)
Appendix B	-	Planetary Quarantine (PQ)
Appendix C	-	Manufacturing (MG)
Appendix D	-	Configuration Management (CM)
Appendix E	-	Quality Assurance (QA)
Appendix F	-	Test (TE) and Mission Operations (MP)
Appendix G	-	Reliability Assurance (RA)
Appendix H	-	Logistics and Support (LS)
Appendix I	-	Overall Management (MA), Scheduling (SC), and Manning and Financial (MF)
Appendix J	-	Procurement and Contracting (PC)
Appendix K	-	Data Management (DM)
Appendix L*	-	Facilities (FA)
Appendix M*	-	Safety (SA)
Appendix N*	-	Site Activation for Launch (AL)
Appendix O*	-	Science (SI)
Appendix P*	-	Related Project Interfaces (RP)
Appendix Q*	-	Advanced Missions (AM)

* Appendixes L through Q prepared under Contract NAS 7-584

DATA ITEM NUMBER	1 of 3 DATA ITEM <u>LOGISTICS AND SUPPORT</u>	DESCRIPTION
	<u>LISTS</u>	
LS-001	*List, Long Lead Items	Identifies items that require special action to ensure required because it takes a long time to get these items established.
LS-002	List, Priced Spares	Provides firm unit price, extended unit price and other to serve as a basis for spare hardware negotiations
LS-003	List, Spares	Provides identifying next higher assembly, and maintenance information as a basis for meeting maintenance requirements
	<u>MANUALS</u>	
LS-004	Manual, Assembly, Handling and Shipping Equipment (AHSE) Description/Operation and Maintenance	Defines operating and maintenance instructions for assembly, handling, and shipping equipment.
LS-005	Manual, Launch Complex Equipment (LCE) Installation	Defines installation procedures for launch complex equipment
LS-006	Manual, Launch Complex Equipment (LCE) Description/Operation and Maintenance	Defines operating and maintenance procedures for launch complex equipment.
LS-007	Manual, Mission Dependent Equipment (MDE) Installation	Defines installation procedures for mission dependent equipment
LS-008	Manual, Mission Dependent Equipment (MDE) Description/Operation and Maintenance	Defines operating and maintenance procedures for mission dependent equipment.
LS-009	Manual, System Test Complex (STC) Installation	Defines installation procedures for system test complex
LS-010	Manual, System Test Complex (STC) Description/Operation and Maintenance	Defines operating and maintenance procedures for system test complex, includes subsystem OSE as appendixes.

* KEY INFORMAL DATA

DATA ITEM LIST/USER MATRIX

	APPLICABILITY TO FUNCTIONAL USERS AT CONTRACTOR LEVEL															
	SE	PQ	MG	CM	QA	TE	RA	LS	MA	SC	PC	MF	MP	DM	FA	SA
e availability when ems once need is	U	-	R	-	U	-	-	A	U	U	U	U	-	-	-	-
her parts information	-	-	R	-	-	-	-	A	-	-	R	R	-	-	-	-
tenance irements.	-	-	R	-	-	-	R	A	-	U	U	-	-	-	-	-
sssembly,	R	U	U	-	U	U	R	A	-	-	-	-	-	-	U	U
quipment.	R	-	U	-	U	-	R	A	-	-	-	-	-	-	U	U
nch complex	R	-	-	-	U	-	R	A	-	-	-	-	-	-	-	U
t equipment.	R	-	U	-	U	-	R	A	-	-	-	-	-	-	U	U
ssion	R	-	-	-	U	-	R	A	-	-	-	-	-	-	-	U
lex.	R	-	U	-	U	U	R	A	-	-	-	-	-	-	U	U
stem test	R	-	-	-	U	U	R	A	-	-	-	-	-	-	-	U

U - USE R - REVIEW AUTHORITY A - APPROVAL AUTHORITY PM - PROJECT MANAGER APPROVAL

				APPLICABILITY AT SUBCONTRACTOR/VENDOR/SUPPLIER LEVELS						APPLICABILITY TO PROJECT BOARDS										
AL	SI	RP	AM	PRINCIPAL SUB-CONTRACTORS	MAJOR SUB-CONTRACTORS	KEY SUBCON AND VENDORS	OTHER VENDORS	KEY SUPPLIERS	KEY SUBSUPPLIERS	CONFIGURATION CONTROL	CONFIGURATION MANAGEMENT	DATA REVIEW	DESIGN REVIEW	FAILURE REVIEW	INTEGRATED SAFETY	INTEGRATED TEST	MAKE OR BUY	MATERIAL REVIEW	SOURCE EVALUATION	SOURCE SELECTION
-	-	-	-	S	S	(S)	NA	(S)	(S)	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	S	S	(S)	NA	(S)	(S)	-	-	-	-	-	-	-	-	-	-	-
U	-	-	-	S	S	(S)	NA	(S)	(S)	-	-	-	-	-	-	U	-	-	-	-
-	-	-	-	S	S	(S)	(S)	(S)	NA	-	-	-	-	-	-	-	-	-	-	-
U	-	-	-	(S)	(S)	(S)	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-
U	-	-	-	(S)	(S)	(S)	NA	(S)	NA	-	-	-	-	-	-	-	-	-	-	-
U	-	-	-	(S)	(S)	(S)	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-
U	-	-	-	(S)	(S)	(S)	NA	(S)	NA	-	-	-	-	-	-	-	-	-	-	-
U	-	-	-	(C/S)	(C/S)	(C/S)	NA	(C/S)	NA	-	-	-	-	-	-	-	-	-	-	-
U	-	-	-	(C/S)	(C/S)	(C/S)	NA	(C/S)	NA	-	-	-	-	-	-	-	-	-	-	-

DATA ITEM NUMBER	2 of 3 DATA ITEM <u>LOGISTICS AND SUPPORT</u>	DESCRIPTION
	<u>PLANS</u>	
LS-012	Plan, Logistics Support	Defines the overall logistics plan for the Voyager project.
LS-013	Plan, Field Communications	Defines the lines of communication with field sites and criteria for their use.
LS-014	Plan, Provisioning	Defines the plan and schedule for providing spares, etc.
LS-015	Plan, Packaging	Defines the overall approach and criteria for packaging and shipment.
LS-016	Plan, Site Support	Logistics plans for individual field sites which reflect in the context of problems associated with each site.
LS-017	Plan, Transportation and Handling	Describes the plan for transportation of hardware and various field sites.
LS-018	Plan, Field Storage	Defines the plan for storage of various pieces of equipment.
	<u>PROCEDURES</u>	
LS-020	Modification Kit Instructions	Describes the procedure for performing a modification, installation, material, test and effectivity.
LS-021	Procedure, Handling	Detailed procedure for handling specific pieces of equipment, movement and transportation to field sites.
LS-027	Procedure, Storage	Detailed procedures for storing specific pieces of equipment, periods of inactivity.

* KEY INFORMAL DATA

DATA ITEM LIST/USER MATRIX

	APPLICABILITY TO FUNCTIONAL USERS AT CONTRACTOR LEVEL																
	SE	PQ	MG	CM	QA	TE	RA	LS	MA	SC	PC	MF	MP	DM	FA	SA	A
ect.	U	-	R	-	U	-	U	R	PM	U	U	-	U	U	U	-	U
establishes	U	-	U	-	-	-	U	A	R	-	U	U	U	U	U	-	U
., at the field sites.	U	-	U	-	U	-	U	R	PM	U	U	-	-	-	U	-	U
g hardware for	U	U	R	-	U	-	U	A	R	-	-	-	-	-	U	U	U
t the overall plan	U	U	U	-	U	-	U	A	R	U	U	U	U	U	U	U	U
d equipment to the	U	U	R	-	U	-	U	A	R	U	U	-	-	U	U	U	-
ment at the field sites.	U	U	U	-	U	-	U	A	R	-	-	-	-	U	-	U	U
m, covers	U	U	R	-	U	-	U	A	-	-	-	-	-	-	-	-	U
ipment during	U	U	R	-	U	-	U	A	-	-	-	-	-	-	-	-	U
ipment during	U	-	U	-	U	-	U	A	-	-	-	-	-	-	-	U	U

				APPLICABILITY AT SUBCONTRACTOR/VENDOR/SUPPLIER LEVELS							APPLICABILITY TO PROJECT BOARDS											
				PRINCIPAL SUB-CONTRACTORS	MAJOR SUB-CONTRACTORS	KEY SUBCON AND VENDORS	OTHER VENDORS	KEY SUPPLIERS	KEY SUBSUPPLIERS	CONFIGURATION CONTROL	CONFIGURATION MANAGEMENT	DATA REVIEW	DESIGN REVIEW	FAILURE REVIEW	INTEGRATED SAFETY	INTEGRATED TEST	MAKE OR BUY	MATERIAL REVIEW	SOURCE EVALUATION	SOURCE SELECTION		
	U	-	-	C/S	C/S	(C)	(C)	NA	NA	-	-	-	-	-	-	-	-	-	-	-		
	U	-	-	NA	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-		
	-	-	-	NA	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-		
	U	-	-	(C/S)	(C/S)	(C)	NA	(C)	(C)	-	-	-	-	-	-	-	-	-	-	-		
	-	-	-	(C/S)	(C/S)	(C)	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-		
	U	-	-	(C/S)	(C/S)	(C)	NA	(C)	NA	-	-	-	-	-	-	-	-	-	-	-		
	U	-	-	(C/S)	(C/S)	(C)	(C)	NA	NA	-	-	-	-	-	-	-	-	-	-	-		
	U	-	-	S	S	(S)	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-		
	U	-	-	(S)	(S)	(S)	NA	(S)	(S)	-	-	-	-	-	-	-	-	-	-	-		
	U	-	-	(S)	(S)	(S)	(S)	NA	NA	-	-	-	-	-	-	-	-	-	-	-		



DATA ITEM NUMBER	3 of 3 DATA ITEM <u>LOGISTICS AND SUPPORT</u>	DESCRIPTION
	<u>REPORTS</u>	
LS-023	Report, Logistics Summary	A final summary and analysis of the logistics Project.
LS-025	Report, Modification Kit Status	Provides documentation covering responsibility for a field modification on Voyager equipment.
LS-026	Report, Provisioning Status	Provides documentation covering status of spare consumables, bulk items, etc.

* KEY INFORMAL DATA

DATA ITEM LIST/USER MATRIX

[illegible]

U - USE

R - REVIEW AUTHORITY

A - APPROVAL AUTHORITY

PM - PROJECT MANAGER APPROVAL

2-6-1

[illegible]

2-6-2

USER FLOW DIAGRAMS

The Contractor User Flow Diagrams indicate the Logistics Support activities during all phases of the project. Logistics comprises the following: supply, transportation, communications and maintenance.

The Logistics Support Plan is derived from the systems engineering post-PDR documents, as are the plans covering individual logistics functions. As the plans are implemented with inputs from OSE design, maintenance manuals and spare parts lists are written. In addition, handling and storage procedures for OSE and the spacecraft evolve, and communications links are established for site support. Preliminary reports on site provisioning are issued.

After CDR, the TA hardware is packed and shipped for testing at the test sites. Manuals and parts lists are updated to suit OSE design updating and to incorporate approved parts from reliability assurance inputs.

Post-FACI activities are the same as post CDR, except that MDE is packed and shipped to specified sites.

After MAR the spacecraft, OSE, and AHSE are shipped to the launch site, where installation, maintenance and modification are performed in accordance with manuals and modification instructions. Status reports and the Logistics summary report document the logistics support until launch.

Logistics User Flow Diagrams

<u>Figure Number</u>	<u>Title</u>
H-1	Logistics User Flow Diagram - Summary
H-2	Logistics User Flow Diagram - Preliminary Design Review Through Critical Design Review
H-3	Logistics User Flow Diagram - Critical Design Review Through Launch

SYSTEM OFFICE

CONTRACTOR

CONDUCT
PDR

CONDUCT
HDR

PRELIMINARY
SPECIFICATIONS
& DOCUMENTS

LOGISTICS PLANS
LS-012 THRU 018

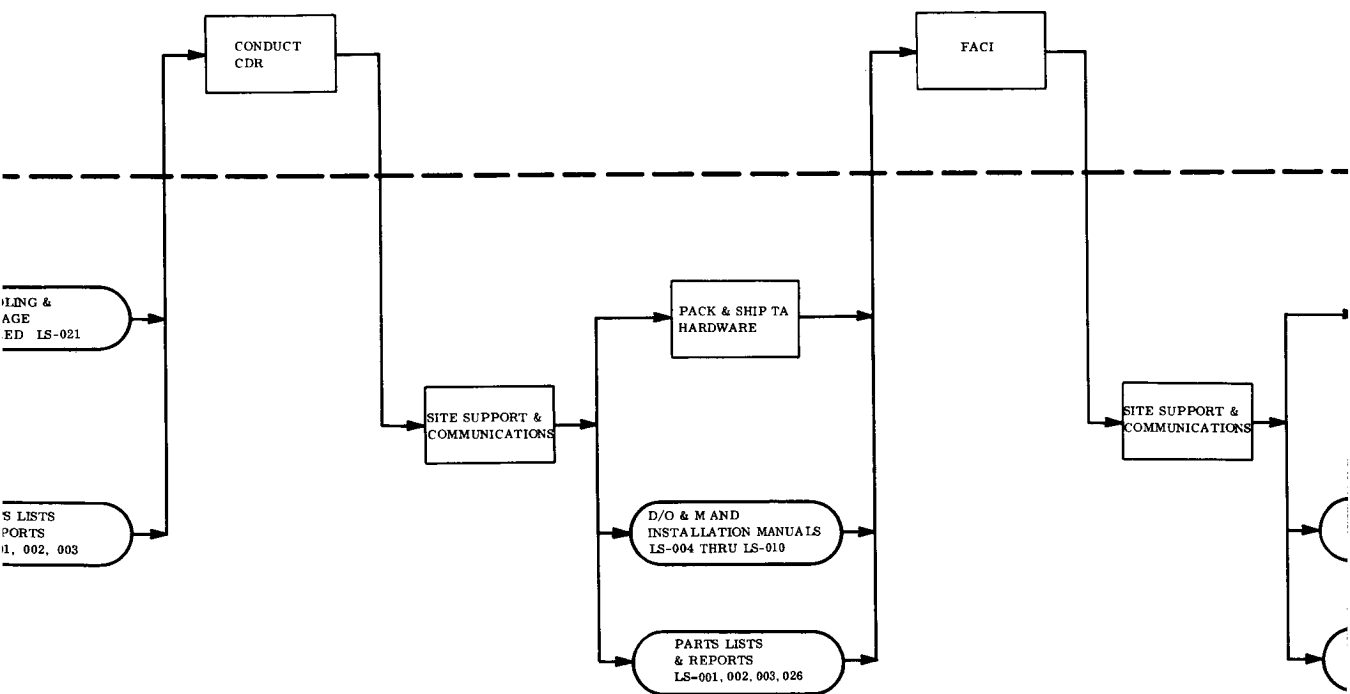
IMPLEMENT
SITE SUPPORT &
COMMUNICATION

UPDATED SPECIFIC
PLANS LS-014, 015,
017, 018

HAN
STO
PRO

D/O & M AND
INSTALLATION MANUALS
LS-004 THRU 010

PAR
& R
LS-



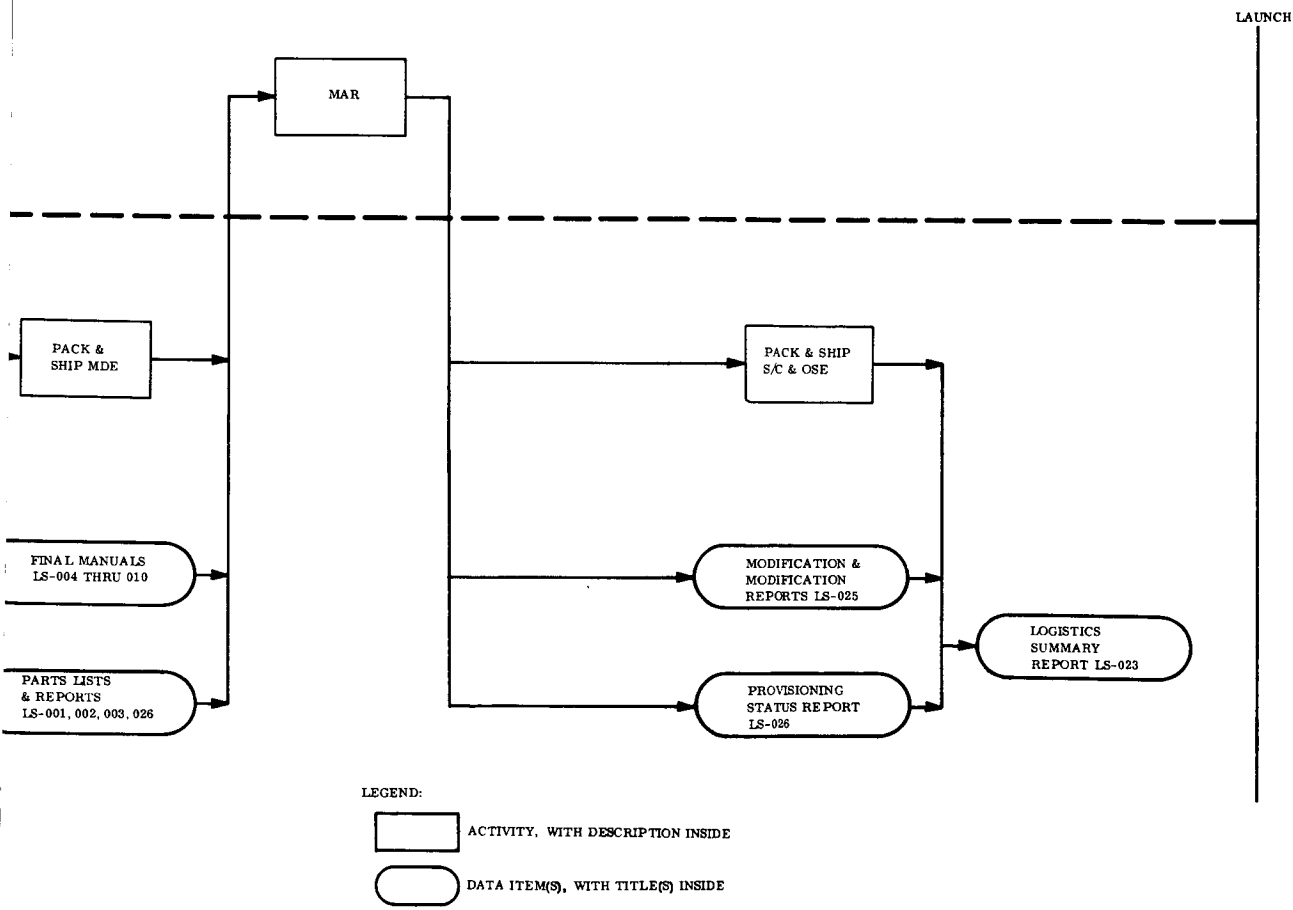
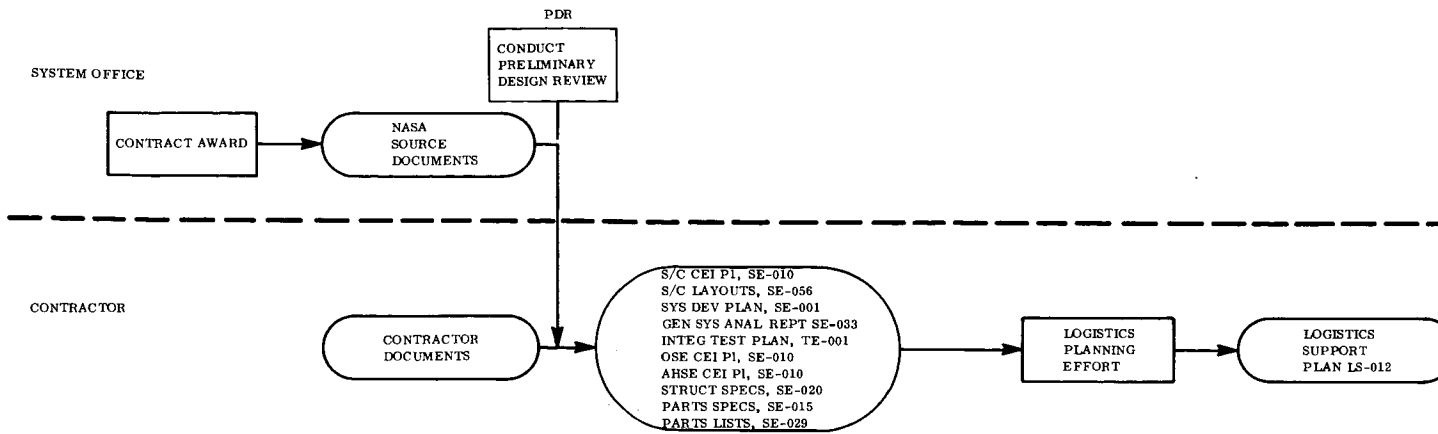
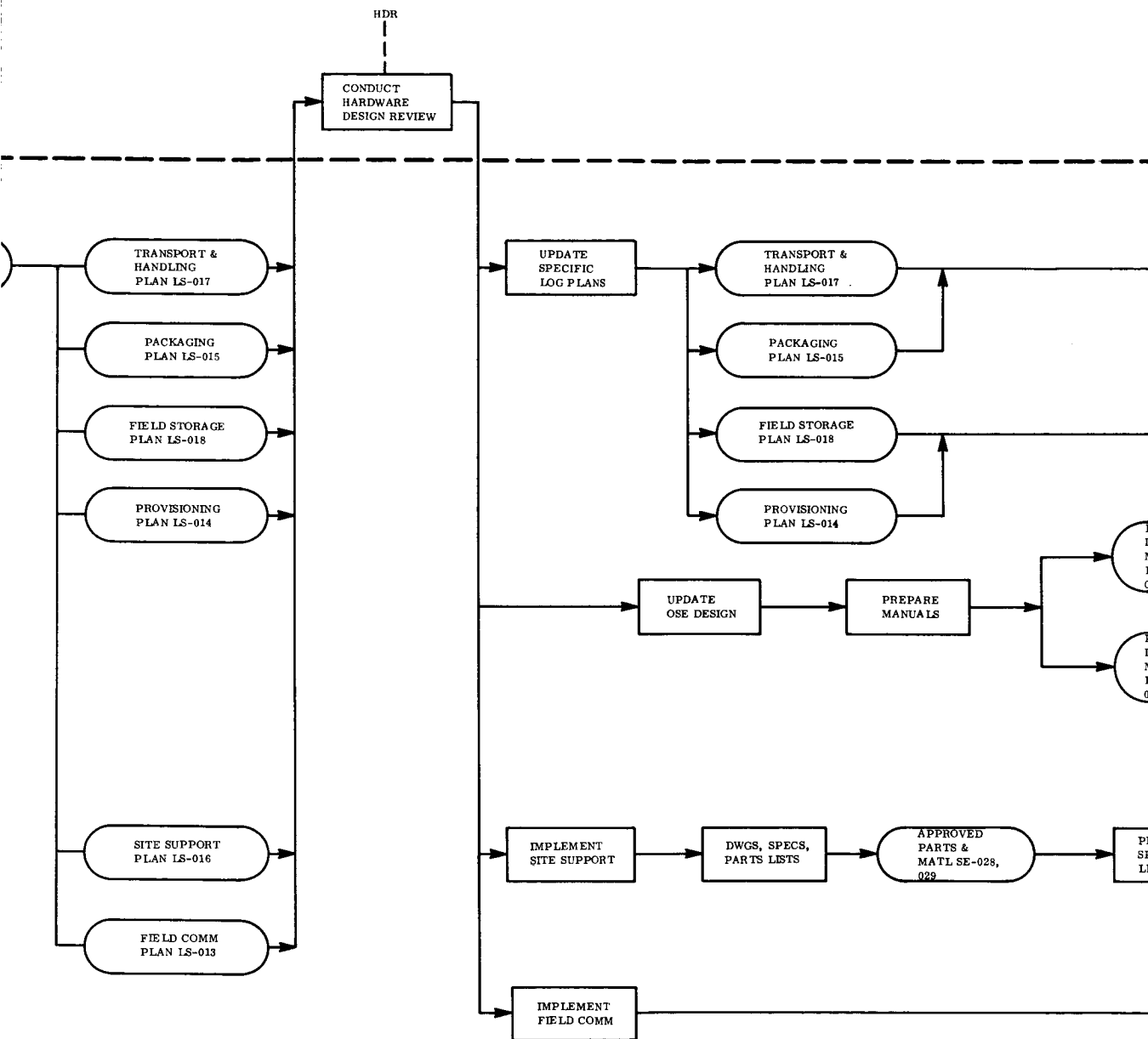


Figure H-1. Logistics User Flow Diagram - Summary

3-4-2





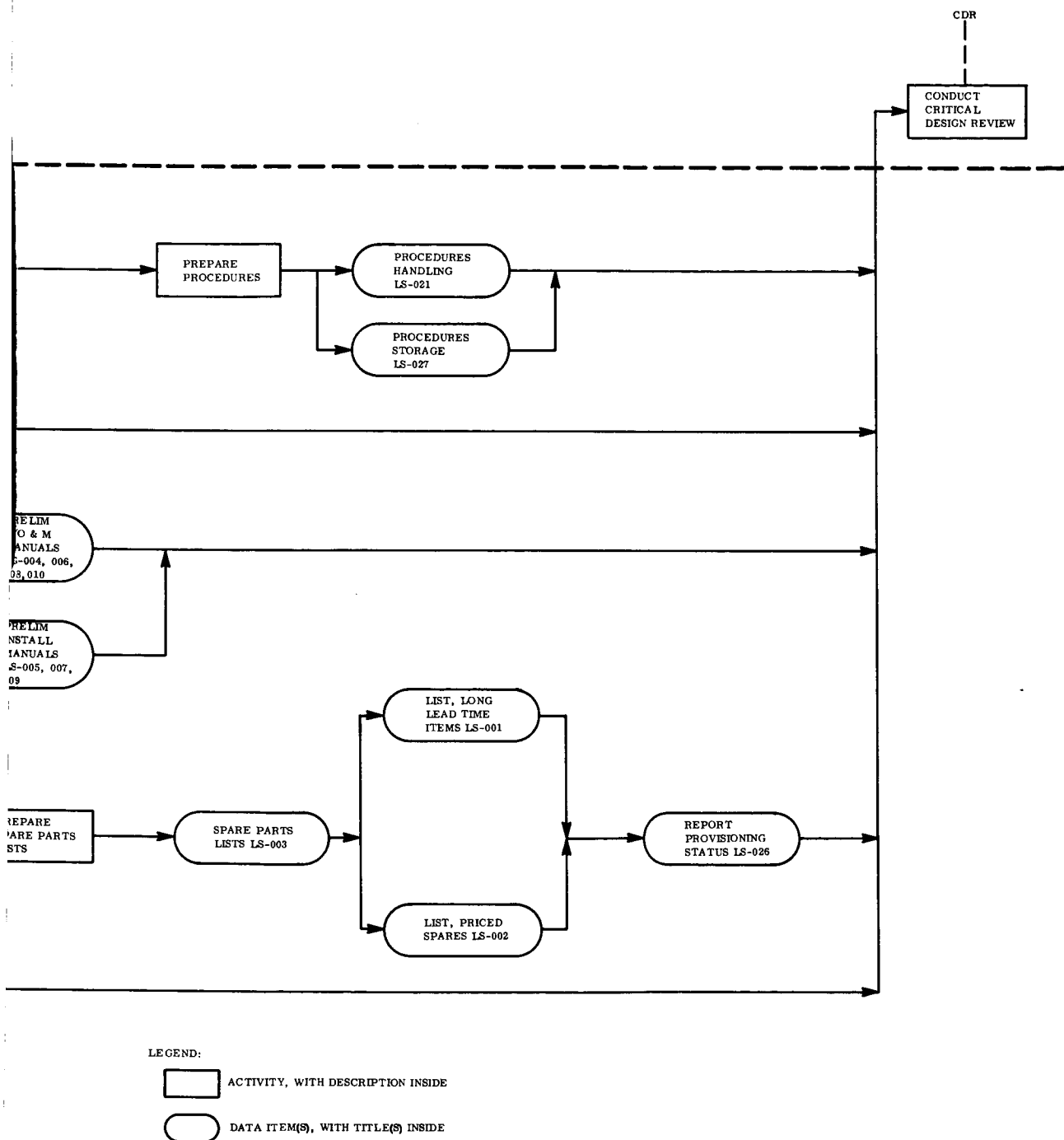


Figure H-2. Logistics User Flow Diagram - Preliminary Design Review Through Critical Design Review

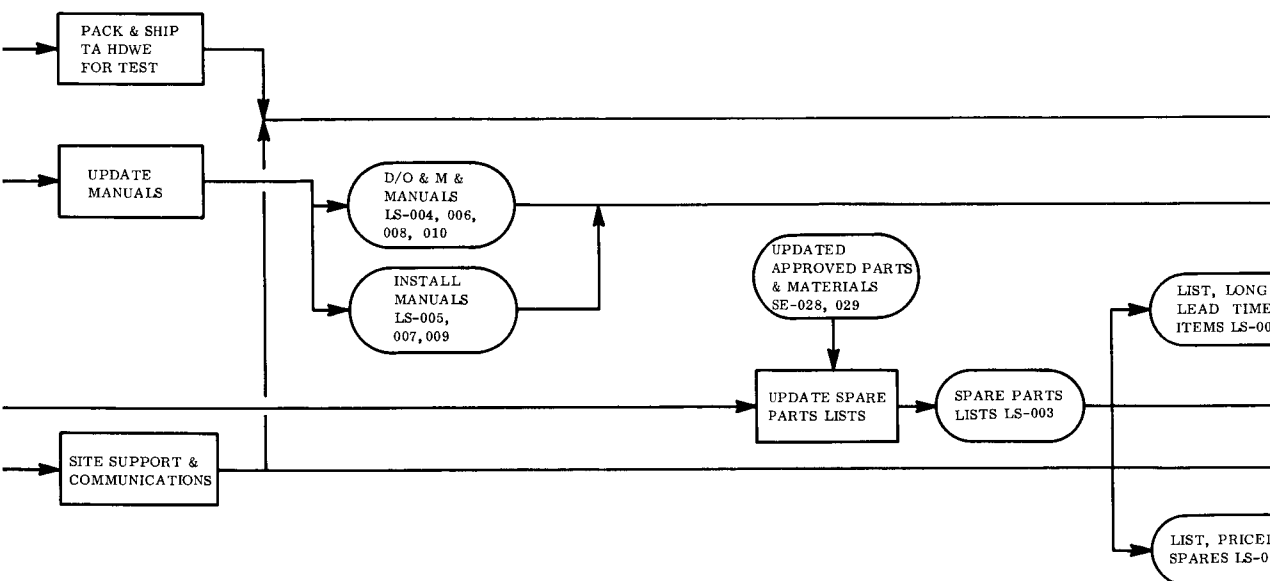
SYSTEM OFFICE

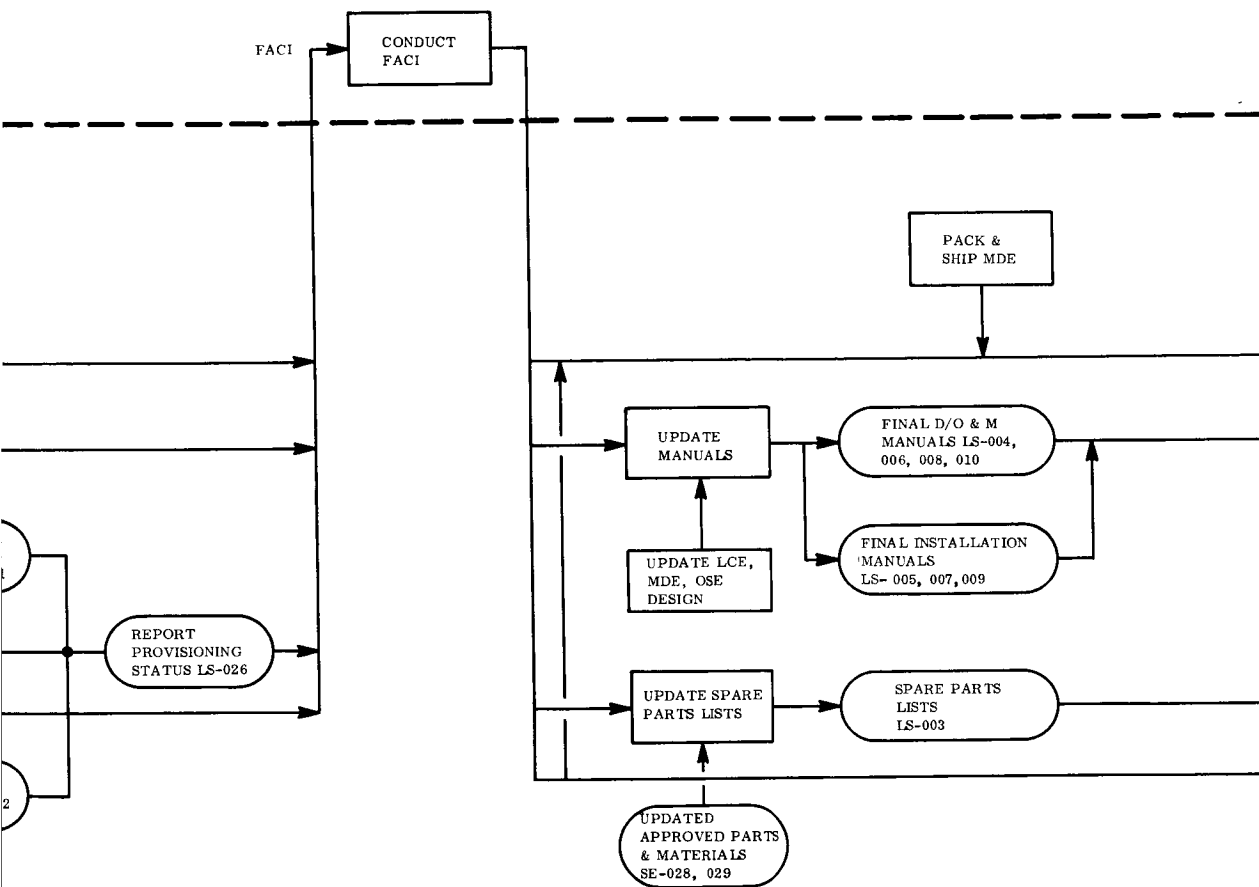
CDR

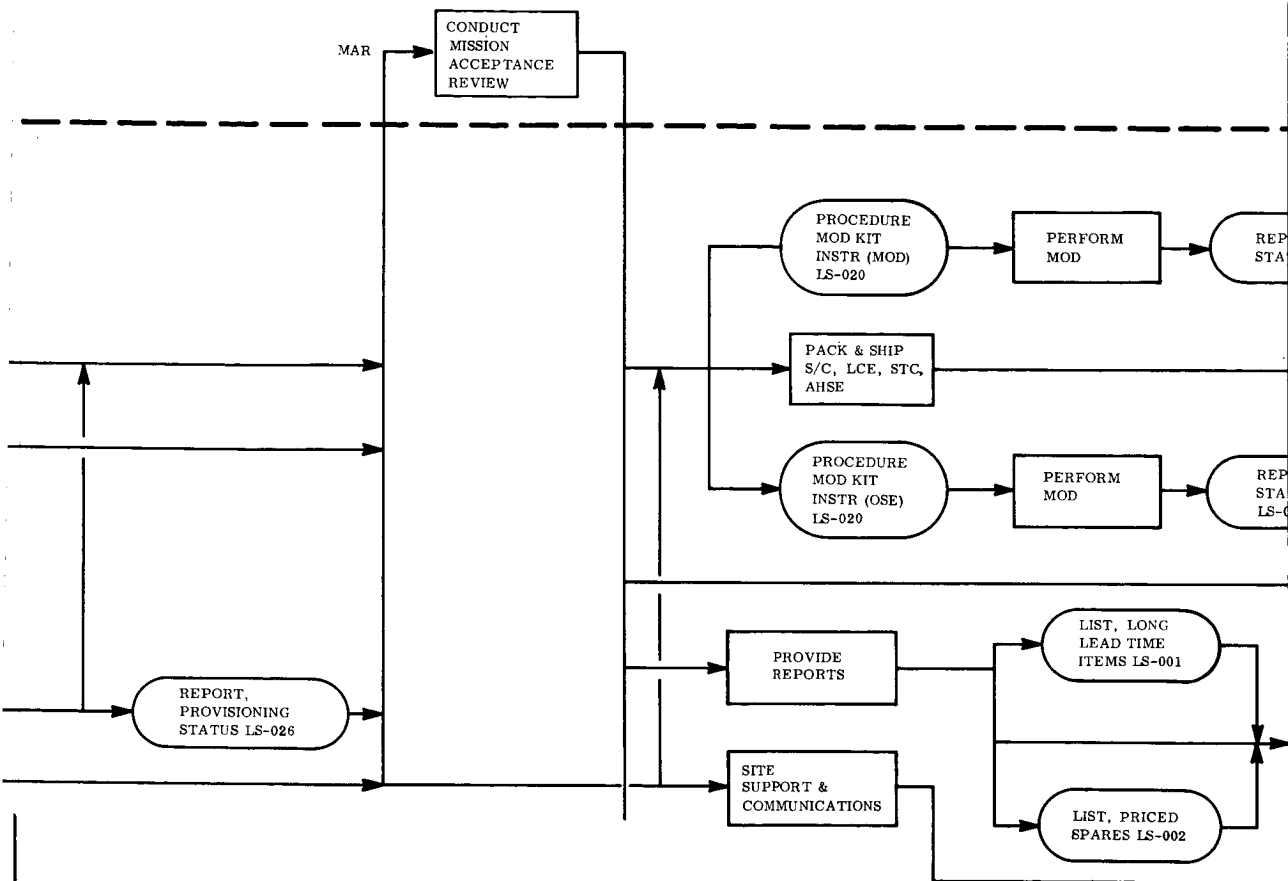
CONDUCT
CRITICAL
DESIGN REVIEW

CONTRACTOR



UPDATED MDE
OSE DESIGN







LEGEND:

 ACTIVITY, WITH DESCRIPTION INSIDE
 DATA ITEM(S), WITH TITLE(S) INSIDE

3-8-3

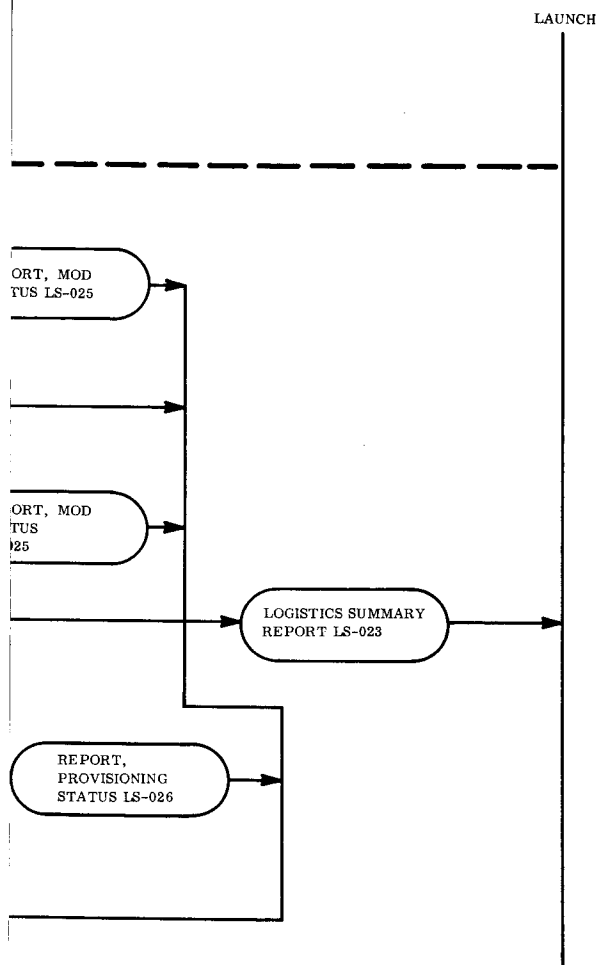


Figure H-3. Logistics User Flow Diagram -
Critical Design Review Through Launch

Logistics and Support Data Requirement Descriptions

<u>DRD Number</u>	<u>Title</u>
LS-001	*List, Long Lead Items
LS-002	List, Priced Spares
LS-003	List, Spares
LS-004	Manual, Assembly, Handling and Shipping Equipment (AHSE) Description/ Operation and Maintenance
LS-005	Manual, Launch Complex Equipment (LCE) Installation
LS-006	Manual, Launch Complex Equipment (LCE) Description/Operation and Maintenance
LS-007	Manual, Mission Dependent Equipment (MDE) Installation
LS-008	Manual, Mission Dependent Equipment (MDE) Description/Operation and Maintenance
LS-009	Manual, System Test Complex (STC) Installation
LS-010	Manual, System Test Complex (STC) Description/Operation and Maintenance
LS-012	Plan, Logistics Support
LS-013	Plan, Field Communications
LS-014	Plan, Provisioning
LS-015	Plan, Packaging
LS-016	Plan, Site Support
LS-017	Plan, Transportation and Handling
LS-018	Plan, Field Storage
LS-020	Instruction, Modification Kit
LS-021	Procedure, Handling
LS-023	Report, Logistics Summary
LS-025	Report, Modification Kit Status
LS-026	Report, Provisioning Status
LS-027	Procedure, Storage

*Key Informal Data

VOYAGER DATA REQUIREMENT DESCRIPTION - 2ND SHEET

SPECIAL INSTRUCTIONS:

DRD NO.:
LS-001

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

1. Introduction
2. Scope
3. Description
 - a. Identifying information
 - (1) Item number
 - (2) Nomenclature
 - (3) Contractor part number
 - (4) Manufacturer's part number
 - b. Next higher assembly information
 - (1) Quantity per assembly
 - (2) Quantity per CEI
 - (3) CEI number
 - c. Lead time (weeks)
 - d. Justification for long lead item classification

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

GE EXHIBIT DRD LS-002

VOYAGER DATA REQUIREMENT DESCRIPTION						DRD APPROVED BY:		DATE:		DATA CATEGORY:							
ORGANIZATION ORIGINATING REQUIREMENT:		CODE: LS		OFFICE RESPONSIBLE FOR DRD:		CODE:		DRD PREPARED BY: J. Kotzar		DATE: 7/28/67		CONTRACT NO.:		DRD NO.: LS-002			
TITLE OF DOCUMENT: LIST, PRICED SPARES									ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION: Manufacturing			TASK OR SUBTASK:			DRL ITEM NO.:		
									ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:			DRL NO.:			LEVEL NO.:		
									ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:			DDL NO.:			FILE NO.:		
TYPE OF DOCUMENT: <input type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input type="checkbox"/> REFERENCE <input checked="" type="checkbox"/> INFORMATION									ORGANIZATION RESPONSIBLE FOR DOCUMENT STOWAGE:			NO OF COPIES: 10					
USE OF DOCUMENT: Used by the contractor to negotiate prices for spare parts hardware									ESTIMATED MANHOURS FOR SINGLE PREPARATION:			INFORMATION CUTOFF DATE OR MILESTONE:					
									ESTIMATED COST (\$) FOR SINGLE PREPARATION:			DATE DATA DUE TO USER:					
									FREQUENCY OF ISSUE: <input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input checked="" type="checkbox"/> OTHERWISE, AS SPECIFIED One time			PUBLICATION DATE: HDR UPDATE (FREQUENCY OR MILESTONE): As required thru Mar ESTIMATED EXPIRATION DATE:					
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: LS-012, Plan, Logistics Support MA-007, Plan, Project Implementation TE-001, Plan, Integrated Test TE-013, Plan, Interface Test																	
CLASSIFICATION: <input type="checkbox"/> SECRET <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input checked="" type="checkbox"/> UNCLASSIFIED									<input type="checkbox"/> GROUP 1 <input type="checkbox"/> GROUP 2 <input type="checkbox"/> GROUP 3 <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> PUBLIC DOMAIN			<input type="checkbox"/> SPECIAL HANDLING <input type="checkbox"/> NASA DISCREET <input type="checkbox"/> JPL DISCREET <input type="checkbox"/> PROJECT DISCREET <input type="checkbox"/> NOFORN					
FORM OF DATA: <input checked="" type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> CHART <input type="checkbox"/> DIAGRAM <input type="checkbox"/> DRAWING <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> MODEL <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> COMPUTER CARD <input type="checkbox"/> COMPUTER TAPE <input type="checkbox"/> MICROFILM (W/OR W/O CARD) <input type="checkbox"/> OTHER									KIND OF DATA: <input type="checkbox"/> ABSTRACT <input type="checkbox"/> BROCHURE <input type="checkbox"/> BULLETIN <input type="checkbox"/> CATALOG <input type="checkbox"/> CONTRACT <input type="checkbox"/> DIRECTIVE <input type="checkbox"/> DISCLOSURE <input type="checkbox"/> ENGINEERING CHANGE ORDER <input type="checkbox"/> REQUEST FOR ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> HANDBOOK <input type="checkbox"/> INDEX			<input type="checkbox"/> INSTRUCTION <input type="checkbox"/> LETTER <input checked="" type="checkbox"/> LIST <input type="checkbox"/> LOG <input type="checkbox"/> MANUAL <input type="checkbox"/> MEMORANDUM <input type="checkbox"/> MINUTES <input type="checkbox"/> PLAN <input type="checkbox"/> PROCEDURE <input type="checkbox"/> REGULATION <input type="checkbox"/> REPORT <input type="checkbox"/> SCHEDULE <input type="checkbox"/> SPECIFICATION <input type="checkbox"/> STANDARD <input type="checkbox"/> VOUCHER					
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)																	
SUBMIT FOR REVIEW TO: _____									_____			_____					
BY _____									_____			BY _____					
SUBMIT FOR APPROVAL TO: _____									_____			_____					
BY _____									_____			BY _____					
Manager, Logistics and Support																	

VOYAGER DATA REQUIREMENT DESCRIPTION - 2ND SHEET

SPECIAL INSTRUCTIONS:

DRD NO.:
LS-002

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

1. Introduction
2. Scope
3. Description
 - a. Identifying information
 - (1) Item number
 - (2) Part number
 - (3) Nomenclature
 - (4) Manufacturer's code
 - b. Price information
 - (1) Unit price (firm)
 - (2) Extended unit price (firm)
 - (3) Quantity
 - c. Other information
 - (1) List number
 - (2) Date
 - (3) Revision number
 - d. Summary sheet

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

GE EXHIBIT DRD LS-003

VOYAGER DATA REQUIREMENT DESCRIPTION				DRD APPROVED BY		DATE		DATA CATEGORY									
ORGANIZATION ORIGINATING REQUIREMENT:		CODE: LS	OFFICE RESPONSIBLE FOR DRD: CODE:		DRD PREPARED BY: J. Kotzar		DATE: 7/28/67		CONTRACT NO.:		DRD NO.: LS-003						
TITLE OF DOCUMENT: LIST, SPARES						ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION: Manufacturing		TASK OR SUBTASK:		DRL ITEM NO.:							
						ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:		DRL NO.:		LEVEL NO.:							
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TYPE OF DOCUMENT: <input type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input type="checkbox"/> REFERENCE <input checked="" type="checkbox"/> INFORMATION						ORGANIZATION RESPONSIBLE FOR DOCUMENT STOWAGE:		NO. OF COPIES: 10		INFORMATION CUTOFF DATE OR MILESTONE:							
USE OF DOCUMENT: Used by the contractor to fulfill maintenance requirements and identify spare parts under the contract.						ESTIMATED MANHOURS FOR SINGLE PREPARATION:		ESTIMATED COST (\$) FOR SINGLE PREPARATION:				DATE DATA DUE TO USER:					
						ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER:									
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: LS-012, Plan, Logistics Support MA-007, Plan, Project Implementation TE-001, Plan, Integrated Test TE-113, Plan, Interface Test						FREQUENCY OF ISSUE: <input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input checked="" type="checkbox"/> OTHERWISE, AS SPECIFIED One time		PUBLICATION DATE: HDR UPDATE (FREQUENCY OR MILESTONE): Not applicable ESTIMATED EXPIRATION DATE:									
						CLASSIFICATION: <input type="checkbox"/> SECRET <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input checked="" type="checkbox"/> UNCLASSIFIED						<input type="checkbox"/> GROUP 1 <input type="checkbox"/> GROUP 2 <input type="checkbox"/> GROUP 3 <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> PUBLIC DOMAIN		<input type="checkbox"/> SPECIAL HANDLING <input type="checkbox"/> NASA DISCREET <input type="checkbox"/> JPL DISCREET <input type="checkbox"/> PROJECT DISCREET <input type="checkbox"/> NOFORN			
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						REFERENCE DOCUMENTS:						APPLICABLE STANDARDS:					
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)																	
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				BY								BY					
SUBMIT FOR APPROVAL TO:				BY								BY					
				Manager, Logistics and Support													

VOYAGER DATA REQUIREMENT DESCRIPTION - 2ND SHEET

SPECIAL INSTRUCTIONS:

DRD NO.:

LS-003

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

1. Introduction
2. Scope
3. Description
 - a. Identifying information
 - (1) Spare parts category
 - (2) Item number
 - (3) Nomenclature
 - (4) Contractor part number
 - (5) Manufacturer's part number
 - b. Next higher assembly information
 - (1) Quantity per assembly
 - (2) Quantity per end item
 - (3) Spares, quarterly (total)
 - (4) CEI number
 - c. Maintenance information
 - (1) Periodic replacement/overhaul time
 - (2) Replacement part indicator
 - (3) Lead time
 - (4) Shelf life (in quarters)

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

GE EXHIBIT DRD LS-003

- (5) Mean time between failures (MTBF) and failure rate
- (6) Repair code
- d. Price information
 - (1) Unit price
 - (2) Extended unit price
 - (3) Unit pack
 - (4) Unit of issue
- e. Other information
 - (1) Date
 - (2) Revision
 - (3) Page number

GE EXHIBIT DRD LS-004

VOYAGER DATA REQUIREMENT DESCRIPTION						DRD APPROVED BY:		DATE:		DATA CATEGORY:																															
ORGANIZATION ORIGINATING REQUIREMENT:		CODE: LS	OFFICE RESPONSIBLE FOR DRD:		CODE:	DRD PREPARED BY: J. Oakill		DATE: 7/28/67		CONTRACT NO.:		DRD NO.: LS-004																													
TITLE OF DOCUMENT: MANUAL, ASSEMBLY, HANDLING, AND SHIPPING EQUIPMENT (AHSE) DESCRIPTION/OPERATION AND MAINTENANCE						ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION: System Engineering		TASK OR SUBTASK:		DRL ITEM NO.:																															
						ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:		DRL NO.:		LEVEL NO.:																															
						ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:		DDL NO.:		FILE NO.:																															
TYPE OF DOCUMENT: <input type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input checked="" type="checkbox"/> REFERENCE <input type="checkbox"/> INFORMATION						ORGANIZATION RESPONSIBLE FOR DOCUMENT STOWAGE:		NO OF COPIES 75																																	
USE OF DOCUMENT: Provides detailed information and instructions for operation and maintenance of the AHSE.						ESTIMATED MANHOURS FOR SINGLE PREPARATION:		INFORMATION CUTOFF DATE OR MILESTONE:																																	
						ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER																																	
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: LS-012, Plan, Logistics Support MA-007, Plan, Project Implementation TE-001, Plan, Integrated Test TE-113, Plan, Interface Test TE-130, Plan, General Test						FREQUENCY OF ISSUE: <input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input checked="" type="checkbox"/> OTHERWISE,AS SPECIFIED One time		PUBLICATION DATE:																																	
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						APPLICABLE STANDARDS:																																			
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<table><thead><tr><th>DRAFT</th><th>DATE</th><th>PREPUBLICATION</th><th>PROOF</th><th>DATE</th></tr></thead><tbody><tr><td>SUBMIT FOR REVIEW TO: _____</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr><tr><td>_____ BY _____</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr><tr><td>_____ BY _____</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr><tr><td>SUBMIT FOR APPROVAL TO: _____</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr><tr><td>_____ BY _____</td><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr></tbody></table>												DRAFT	DATE	PREPUBLICATION	PROOF	DATE	SUBMIT FOR REVIEW TO: _____	_____	_____	_____	_____	_____ BY _____	_____	_____	_____	_____	_____ BY _____	_____	_____	_____	_____	SUBMIT FOR APPROVAL TO: _____	_____	_____	_____	_____	_____ BY _____	_____	_____	_____	_____
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Manager, Logistics and Support																																									

VOYAGER DATA REQUIREMENT DESCRIPTION - 2ND SHEET

DRD NO.:

LS-004

SPECIAL INSTRUCTIONS:

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

1. Introduction
2. Scope
3. Hardware description
 - a. Capabilities and functions
 - b. Drawings and photographs
 - (1) Equipment layout
 - (2) Wiring diagrams and schematics
 - (3) Test points, adjustments, waveforms and voltages
 - c. Grounding and EMI Information
4. Operating instructions
 - a. On-off procedures
 - b. Operating procedures
 - c. Software - use and checkout
 - d. Safety requirements
5. Maintenance
 - a. Inspection procedures
 - b. Trouble isolating procedure
 - c. Alignment and adjustment procedure
 - d. Preventive maintenance and lubrication
 - e. Total and test equipment requirements

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

GE EXHIBIT DRD LS-005

VOYAGER DATA REQUIREMENT DESCRIPTION				DRD APPROVED BY:		DATE:		DATA CATEGORY:			
ORGANIZATION ORIGINATING REQUIREMENT:		CODE: LS	OFFICE RESPONSIBLE FOR DRD:		CODE:	DRD PREPARED BY: B. Daniels		DATE: 7/28/67		CONTRACT NO.:	DRD NO.: LS-005
TITLE OF DOCUMENT: MANUAL, LAUNCH COMPLEX EQUIPMENT (LCE) INSTALLATION						ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION: System Engineering		TASK OR SUBTASK:		DRL ITEM NO.:	
						ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:		DRL NO.:		LEVEL NO.:	
						ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:		DDL NO.:		FILE NO.:	
						TYPE OF DOCUMENT: <input type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input checked="" type="checkbox"/> REFERENCE <input type="checkbox"/> INFORMATION					
USE OF DOCUMENT: Provides detailed information and instructions for installation of LCE by the contractor.						ORGANIZATION RESPONSIBLE FOR DOCUMENT STORAGE:		NO OF COPIES: 75			
						ESTIMATED MANHOURS FOR SINGLE PREPARATION:		INFORMATION CUTOFF DATE OR MILESTONE:			
						ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER:			
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: LS-012, Plan, Logistics Support MA-007, Plan, Project Implementation TE-113, Plan, Interface Test						FREQUENCY OF ISSUE: <input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input checked="" type="checkbox"/> OTHERWISE, AS SPECIFIED One time		PUBLICATION DATE: HDR			
								UPDATE (FREQUENCY OR MILESTONE): As required thru Mar			
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CLASSIFICATION: <input type="checkbox"/> SECRET <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input checked="" type="checkbox"/> UNCLASSIFIED						<input type="checkbox"/> GROUP 1 <input type="checkbox"/> GROUP 2 <input type="checkbox"/> GROUP 3 <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> PUBLIC DOMAIN		<input type="checkbox"/> SPECIAL HANDLING <input type="checkbox"/> NASA DISCREET <input type="checkbox"/> JPL DISCREET <input type="checkbox"/> PROJECT DISCREET <input type="checkbox"/> NOFORN			
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						<input type="checkbox"/> INSTRUCTION <input type="checkbox"/> LETTER <input type="checkbox"/> LIST <input type="checkbox"/> LOG <input checked="" type="checkbox"/> MANUAL <input type="checkbox"/> MEMORANDUM <input type="checkbox"/> MINUTES <input type="checkbox"/> PLAN <input type="checkbox"/> PROCEDURE <input type="checkbox"/> REGULATION <input type="checkbox"/> REPORT <input type="checkbox"/> SCHEDULE <input type="checkbox"/> SPECIFICATION <input type="checkbox"/> STANDARD <input type="checkbox"/> VOUCHER					
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)						REFERENCE DOCUMENTS:					
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SUBMIT FOR APPROVAL TO: _____											
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Manager, Logistics and Support											

VOYAGER DATA REQUIREMENT DESCRIPTION - 2ND SHEET

DRD NO.:

LS-005

SPECIAL INSTRUCTIONS:

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

1. Purpose and scope
2. Hardware description
 - a. Drawings, photographs, etc.
 - b. Interface features such as:
 - (1) Power required
 - (2) Mechanical connections
 - (3) Electrical connections
 - (4) Special requirements
 - (5) Safety
 - c. Equipment list
 - d. Special tools required
3. Description of intended location
Drawings and diagrams showing location, orientation, etc, with respect to other equipment.
4. Installation procedures
 - a. Unpacking
 - b. Inspection
 - c. Installation
 - d. Assembly

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

- e. Checkout
 - f. Buy-off
5. Data sheets

GE EXHIBIT DRD LS-006

VOYAGER DATA REQUIREMENT DESCRIPTION						DRD APPROVED BY:		DATE		DATA CATEGORY									
ORGANIZATION ORIGINATING REQUIREMENT:		CODE: LS		OFFICE RESPONSIBLE FOR DRD:		CODE:		DRD PREPARED BY: J.Oakill/J. Kotzar		DATE: 7/28/67		CONTRACT NO.:		DRD NO.: LS-006					
TITLE OF DOCUMENT: MANUAL, LAUNCH COMPLEX EQUIPMENT (LCE) DESCRIPTION/OPERATION AND MAINTENANCE									ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION: System Engineering			TASK OR SUBTASK:			DRL ITEM NO.:				
									ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:			DRL NO.:			LEVEL NO.:				
									ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:			DDL NO.:			FILE NO.:				
									TYPE OF DOCUMENT: <input type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input checked="" type="checkbox"/> REFERENCE <input type="checkbox"/> INFORMATION										
USE OF DOCUMENT: Provides detailed information and instructions for operation and maintenance of LCE by the contractor.									ORGANIZATION RESPONSIBLE FOR DOCUMENT STOWAGE:			NO. OF COPIES: 75							
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: LS-012, Plan, Logistics Support MA-007, Plan, Project Implementation TE-001, Plan, Integrated Test TE-113, Plan, Interface Test TE-130, Plan, General Test									ESTIMATED MANHOURS FOR SINGLE PREPARATION:			INFORMATION CUTOFF DATE OR MILESTONE:							
									ESTIMATED COST (\$) FOR SINGLE PREPARATION:			DATE DATA DUE TO USER:							
									FREQUENCY OF ISSUE: <input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input checked="" type="checkbox"/> OTHERWISE, AS SPECIFIED One time			PUBLICATION DATE: HDR UPDATE (FREQUENCY OR MILESTONE): As required thru MAR ESTIMATED EXPIRATION DATE:							
CLASSIFICATION: <input type="checkbox"/> SECRET <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input checked="" type="checkbox"/> UNCLASSIFIED									<input type="checkbox"/> GROUP 1 <input type="checkbox"/> GROUP 2 <input type="checkbox"/> GROUP 3 <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> PUBLIC DOMAIN			<input type="checkbox"/> SPECIAL HANDLING <input type="checkbox"/> NASA DISCREET <input type="checkbox"/> JPL DISCREET <input type="checkbox"/> PROJECT DISCREET <input type="checkbox"/> NOFORN							
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BY _____																			
Manager, Logistics and Support																			

VOYAGER DATA REQUIREMENT DESCRIPTION - 2ND SHEET

DRD NO.:

LS-006

SPECIAL INSTRUCTIONS:

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

1. Introduction
2. Scope
3. Hardware Description
 - a. Capabilities and functions
 - b. Drawings and photographs
 - (1) Equipment layout
 - (2) Wiring diagrams and schematics
 - (3) Test points, adjustments, waveforms, and voltages
 - c. Grounding and Electromagnetic interference (EMI) information
4. Operating instructions
 - a. On-off procedures
 - b. Operating procedure
 - c. Software - use and checkout
 - d. Safety and requirements
5. Maintenance
 - a. Inspection procedure
 - b. Trouble isolating procedure
 - c. Alignment and adjustment procedure
 - d. Preventive maintenance and lubrication
 - e. Tool and test equipment requirements

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

GE EXHIBIT DRD LS-007

VOYAGER DATA REQUIREMENT DESCRIPTION				DRD APPROVED BY		DATE	DATA CATEGORY
ORGANIZATION ORIGINATING REQUIREMENT:	CODE LS	OFFICE RESPONSIBLE FOR DRD:	CODE	DRD PREPARED BY: B. Daniels	DATE: 7/28/67	CONTRACT NO.	DRD NO. LS-007
TITLE OF DOCUMENT: MANUAL, MISSION DEPENDENT EQUIPMENT (MDE) INSTALLATION				ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION: System Engineering		TASK OR SUBTASK	DRD ITEM NO.
				ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:		DRL NO.	LEVEL NO.
				ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:		DDL NO.	FILE NO.
TYPE OF DOCUMENT: <input type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input checked="" type="checkbox"/> REFERENCE <input type="checkbox"/> INFORMATION				ORGANIZATION RESPONSIBLE FOR DOCUMENT STOWAGE:		NO OF COPIES 75	
USE OF DOCUMENT: Provides detailed information and instructions for MDE installation by the contractor.				ESTIMATED MANHOURS FOR SINGLE PREPARATION:		INFORMATION CUTOFF DATE OR MILESTONE	
				ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER	
				FREQUENCY OF ISSUE: <input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input checked="" type="checkbox"/> OTHERWISE, AS SPECIFIED One time		PUBLICATION DATE: HDR UPDATE (FREQUENCY OR MILESTONE) As required thru MAR ESTIMATED EXPIRATION DATE	
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: LS-012, Plan, Logistics Support MA-007, Plan, Project Implementation MP-002, Plan, Mission Operations Support (Spacecraft) TE-001, Plan, Integrated Test TE-113, Plan, Interface Test							
CLASSIFICATION: <input type="checkbox"/> SECRET <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input checked="" type="checkbox"/> UNCLASSIFIED				<input type="checkbox"/> GROUP 1 <input type="checkbox"/> GROUP 2 <input type="checkbox"/> GROUP 3 <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> PUBLIC DOMAIN <input type="checkbox"/> SPECIAL HANDLING <input type="checkbox"/> NASA DISCREET <input type="checkbox"/> JPL DISCREET <input type="checkbox"/> PROJECT DISCREET <input type="checkbox"/> NOFORN			
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				REFERENCE DOCUMENTS:			
				APPLICABLE STANDARDS:			
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)							
DRAFT		DATE		PREPUBLICATION PROOF		DATE	
SUBMIT FOR REVIEW TO:							
		BY				BY	
SUBMIT FOR APPROVAL TO:		BY				BY	
Manager, Logistics and Support							

VOYAGER DATA REQUIREMENT DESCRIPTION - 2ND SHEET

SPECIAL INSTRUCTIONS:

DRD NO.:

LS-007

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

1. Purpose and scope
2. Hardware description
 - a. Drawings, photographs, etc
 - b. Interface features such as:
 - (1) Power required
 - (2) Mechanical connections
 - (3) Electrical connections
 - (4) Special requirements
 - (5) Safety
 - c. Equipment list
 - d. Special tools required
3. Description of intended location
 - a. Drawings and diagrams showing location, orientation, etc., with respect to other equipment.
4. Installation procedures
 - a. Unpacking
 - b. Inspection

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

- c. Installation
 - d. Assembly
 - e. Checkout
 - f. Buy-off
5. Data Sheets

GE EXHIBIT DRD LS-008

[illegible]

VOYAGER DATA REQUIREMENT DESCRIPTION - 2ND SHEET

SPECIAL INSTRUCTIONS:

DRD NO.:

LS-008

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DOL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

1. Introduction
2. Scope
3. Hardware description
 - a. Capabilities and functions
 - b. Drawings and photographs
 - (1) Equipment layout
 - (2) Wiring diagrams and schematics
 - (3) Test points, adjustments, waveforms and voltages
 - c. Grounding and electromagnetic interference (EMI) information
4. Operating instructions
 - a. On-off procedures
 - b. Operating procedure
 - c. Software - use and checkout
 - d. Safety requirements
5. Maintenance
 - a. Inspection procedure
 - b. Trouble isolating procedure
 - c. Alignment and adjustment procedure
 - d. Preventative maintenance and lubrication
 - e. Tool and test equipment requirements

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

GE EXHIBIT DRD LS-009

VOYAGER DATA REQUIREMENT DESCRIPTION						DRD APPROVED BY:		DATE:		DATA CATEGORY:			
ORGANIZATION ORIGINATING REQUIREMENT:		CODE: OFFICE RESPONSIBLE FOR DRD: CODE:		DRD PREPARED BY:		DATE:		CONTRACT NO.:		DRD NO.:			
		LS		B. Daniels		7/28/67				LS-009			
TITLE OF DOCUMENT: MANUAL, SYSTEM TEST COMPLEX (STC) INSTALLATION						ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION:		TASK OR SUBTASK:		DRL ITEM NO.:			
						System Engineering							
						ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:		DRL NO.:		LEVEL NO.			
TYPE OF DOCUMENT: <input type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input checked="" type="checkbox"/> REFERENCE <input type="checkbox"/> INFORMATION						ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:		DDL NO.:		FILE NO.			
USE OF DOCUMENT: Provides detailed information and instructions for establishment of the STC by the contractor.						ORGANIZATION RESPONSIBLE FOR DOCUMENT STOWAGE		NO OF COPIES 75					
						ESTIMATED MANHOURS FOR SINGLE PREPARATION		INFORMATION CUTOFF DATE OR MILESTONE					
						ESTIMATED COST (\$) FOR SINGLE PREPARATION		DATE DATA DUE TO USER					
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: LS-012 Plan, Logistics Support MA-007 Plan, Project Implementation TE-001 Plan, Integrated Test TE-013 Plan, Interface Test TE-130 Plan, General Test						FREQUENCY OF ISSUE:		PUBLICATION DATE					
						<input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input checked="" type="checkbox"/> OTHERWISE, AS SPECIFIED One time		HDR					
								UPDATE (FREQUENCY OR MILESTONE) As required thru MAR					
CLASSIFICATION: <input type="checkbox"/> SECRET <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input checked="" type="checkbox"/> UNCLASSIFIED						<input type="checkbox"/> GROUP 1 <input type="checkbox"/> GROUP 2 <input type="checkbox"/> GROUP 3 <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> PUBLIC DOMAIN		<input type="checkbox"/> SPECIAL HANDLING <input type="checkbox"/> NASA DISCREET <input type="checkbox"/> JPL DISCREET <input type="checkbox"/> PROJECT DISCREET <input type="checkbox"/> NOFORN		ESTIMATED EXPIRATION DATE			
FORM OF DATA: KIND OF DATA: <input checked="" type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> ABSTRACT <input type="checkbox"/> INSTRUCTION <input type="checkbox"/> CHART <input type="checkbox"/> BROCHURE <input type="checkbox"/> LETTER <input type="checkbox"/> DIAGRAM <input type="checkbox"/> BULLETIN <input type="checkbox"/> LIST <input type="checkbox"/> DRAWING <input type="checkbox"/> CATALOG <input type="checkbox"/> LOG <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> CONTRACT <input checked="" type="checkbox"/> MANUAL <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> DIRECTIVE <input type="checkbox"/> MEMORANDUM <input type="checkbox"/> MODEL <input type="checkbox"/> DISCLOSURE <input type="checkbox"/> MINUTES <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> ENGINEERING CHANGE ORDER <input type="checkbox"/> PLAN <input type="checkbox"/> COMPUTER CARD <input type="checkbox"/> REQUEST FOR ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> PROCEDURE <input type="checkbox"/> COMPUTER TAPE <input type="checkbox"/> SCHEDULE <input type="checkbox"/> MICROFILM (W/OR W/O CARD) <input type="checkbox"/> STANDARD <input type="checkbox"/> OTHER <input type="checkbox"/> VOUCHER _____ _____ _____						REFERENCE DOCUMENTS							
						APPLICABLE STANDARDS							
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)													
SUBMIT FOR REVIEW TO: _____				BY _____				PREPUBLICATION PROOF _____				DATE _____	
SUBMIT FOR APPROVAL TO: _____				BY _____				PREPUBLICATION PROOF _____				DATE _____	

DRD NO.:

LS-009

SPECIAL INSTRUCTIONS:

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

1. Purpose and scope
2. Hardware description
 - a. Drawings, Photographs, etc.
 - b. Interface features such as:
 - (1) Power required
 - (2) Mechanical connections
 - (3) Electrical connections
 - (4) Special requirements
 - (5) Safety
 - c. Equipment list
 - d. Special tools required
3. Description of intended location
 - a. Drawings and diagrams showing location, orientation, etc. with respect to other equipment.
4. Installation procedures
 - a. Unpacking
 - b. Inspection

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

- c. Assembly
 - d. Installation
 - e. Checkout
 - f. Buy-off
5. Data sheets

GE EXHIBIT DRD LS-010

VOYAGER DATA REQUIREMENT DESCRIPTION					DRD APPROVED BY:		DATE	DATA CATEGORY	
ORGANIZATION ORIGINATING REQUIREMENT:		CODE:	OFFICE RESPONSIBLE FOR DRD:	CODE:	DRD PREPARED BY:		DATE:	CONTRACT NO.:	DRD NO.:
		LS			J. Oakill/J. Kotzar		7/28/67		LS-010
TITLE OF DOCUMENT: MANUAL, SYSTEM TEST COMPLEX (STC) DESCRIPTION/OPERATION AND MAINTENANCE					ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION:		TASK OR SUBTASK:	DRD ITEM NO.:	
					System Engineering				
					ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:		DRL NO.:	LEVEL NO.:	
TYPE OF DOCUMENT: <input type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input checked="" type="checkbox"/> REFERENCE <input type="checkbox"/> INFORMATION					ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:		DDL NO.:	FILE NO.:	
USE OF DOCUMENT: Provides detailed information and instructions for operation and maintenance of STC by the contractor.					ORGANIZATION RESPONSIBLE FOR DOCUMENT STOWAGE		NO OF COPIES		
							75		
					ESTIMATED MANHOURS FOR SINGLE PREPARATION		INFORMATION CUTOFF DATE OR MILESTONE		
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: LS-012 Plan, Logistics Support MA-007 Plan, Project Implementation TE-001 Plan, Integrated Test TE-013 Plan, Interface Test TE-130 Plan, General Test					ESTIMATED COST (\$) FOR SINGLE PREPARATION		DATE DATA DUE TO USER		
					FREQUENCY OF ISSUE		PUBLICATION DATE		
CLASSIFICATION: <input type="checkbox"/> SECRET <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input checked="" type="checkbox"/> UNCLASSIFIED <input type="checkbox"/> GROUP 1 <input type="checkbox"/> GROUP 2 <input type="checkbox"/> GROUP 3 <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> PUBLIC DOMAIN <input type="checkbox"/> SPECIAL HANDLING <input type="checkbox"/> NASA DISCREET <input type="checkbox"/> JPL DISCREET <input type="checkbox"/> PROJECT DISCREET <input type="checkbox"/> NOFORN					<input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input checked="" type="checkbox"/> OTHERWISE, AS SPECIFIED		HDR UPDATE (FREQUENCY OR MILESTONE) As required thru MAR EST. MATED EXPIRATION DATE		
					One time				
FORM OF DATA: <input checked="" type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> CHART <input type="checkbox"/> DIAGRAM <input type="checkbox"/> DRAWING <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> MODEL <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> COMPUTER CARD <input type="checkbox"/> COMPUTER TAPE <input type="checkbox"/> MICROFILM (W/OR W/O CARD) <input type="checkbox"/> OTHER KIND OF DATA: <input type="checkbox"/> ABSTRACT <input type="checkbox"/> BROCHURE <input type="checkbox"/> BULLETIN <input type="checkbox"/> CATALOG <input type="checkbox"/> CONTRACT <input type="checkbox"/> DIRECTIVE <input type="checkbox"/> DISCLOSURE <input type="checkbox"/> ENGINEERING CHANGE ORDER <input type="checkbox"/> REQUEST FOR ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> HANDBOOK <input type="checkbox"/> INDEX <input type="checkbox"/> INSTRUCTION <input type="checkbox"/> LETTER <input type="checkbox"/> LIST <input type="checkbox"/> LOG <input checked="" type="checkbox"/> MANUAL <input type="checkbox"/> MEMORANDUM <input type="checkbox"/> MINUTES <input type="checkbox"/> PLAN <input type="checkbox"/> PROCEDURE <input type="checkbox"/> REGULATION <input type="checkbox"/> REPORT <input type="checkbox"/> SCHEDULE <input type="checkbox"/> SPECIFICATION <input type="checkbox"/> STANDARD <input type="checkbox"/> VOUCHER					REFERENCE DOCUMENTS				
					APPLICABLE STANDARDS				
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)									
SUBMIT FOR REVIEW TO: _____ _____ BY _____ _____ BY _____ _____ BY _____ SUBMIT FOR APPROVAL TO: <u>Manager, Logistics and Support</u> BY _____ _____ BY _____									

VOYAGER DATA REQUIREMENT DESCRIPTION - 2ND SHEET

DRD NO.:

LS-010

SPECIAL INSTRUCTIONS:

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

1. Introduction
2. Scope
3. Hardware description
 - a. Capabilities and functions
 - b. Drawings and photographs
 - (1) Equipment layout
 - (2) Wiring diagrams and schematics
 - (3) Test points, adjustments, waveforms, and voltages
 - c. Grounding and electromagnetic interference (EMI) information
4. Operating instructions
 1. Turn-on procedure
 2. Operating procedure
 3. Software - use and checkout
 4. Safety requirements
 5. Turn-off procedure
5. Maintenance
 - a. Inspection procedure
 - b. Trouble Isolating procedure

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

- c. Alignment and adjustment procedure
- d. Preventative maintenance and lubrication
- e. Tool and test equipment requirements

GE EXHIBIT DRD LS-012

VOYAGER DATA REQUIREMENT DESCRIPTION				DRD APPROVED BY:		DATE:		DATA CATEGORY:											
ORGANIZATION ORIGINATING REQUIREMENT:		CODE:	OFFICE RESPONSIBLE FOR DRD:	CODE:	DRD PREPARED BY:	DATE:		CONTRACT NO.:	DRD NO.:										
		LS			J. Oakill	7/28/67			LS-012										
TITLE OF DOCUMENT: PLAN, LOGISTICS SUPPORT					ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION:		TASK OR SUBTASK:		DRD ITEM NO.:										
					Test														
					ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:		DRL NO.:		LEVEL NO.:										
					ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:		DDL NO.:		FILE NO.:										
TYPE OF DOCUMENT: <input checked="" type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input type="checkbox"/> REFERENCE <input type="checkbox"/> INFORMATION					ORGANIZATION RESPONSIBLE FOR DOCUMENT STOWAGE:		NO. OF COPIES:												
USE OF DOCUMENT: Discloses the overall plan for logistics support for use as the basis for detailed planning by affected contractor operations.							50												
					ESTIMATED MANHOURS FOR SINGLE PREPARATION:		INFORMATION CUTOFF DATE OR MILESTONE:												
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: LS-017 Plan, Transportation and Handling MA-007 Plan, Project Implementation MP-002 Plan, Mission Operation, Support, Spacecraft SC-003 Schedule, Project Level (Milestone) TE-001 Integrated Test					ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER:												
CLASSIFICATION: <input type="checkbox"/> SECRET <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input checked="" type="checkbox"/> UNCLASSIFIED					<input type="checkbox"/> GROUP 1 <input type="checkbox"/> GROUP 2 <input type="checkbox"/> GROUP 3 <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> PUBLIC DOMAIN		<input type="checkbox"/> SPECIAL HANDLING <input type="checkbox"/> NASA DISCREET <input type="checkbox"/> JPL DISCREET <input type="checkbox"/> PROJECT DISCREET <input type="checkbox"/> NOFORN		FREQUENCY OF ISSUE:										
									PUBLICATION DATE:										
					<input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input checked="" type="checkbox"/> OTHERWISE, AS SPECIFIED One time		UPDATE (FREQUENCY OR MILESTONE):		ESTIMATED EXPIRATION DATE:										
							As required												
FORM OF DATA: <input checked="" type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> CHART <input type="checkbox"/> DIAGRAM <input type="checkbox"/> DRAWING <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> MODEL <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> COMPUTER CARD <input type="checkbox"/> COMPUTER TAPE <input type="checkbox"/> MICROFILM (W/OR W/O CARD) <input type="checkbox"/> OTHER					KIND OF DATA: <input type="checkbox"/> ABSTRACT <input type="checkbox"/> BROCHURE <input type="checkbox"/> BULLETIN <input type="checkbox"/> CATALOG <input type="checkbox"/> CONTRACT <input type="checkbox"/> DIRECTIVE <input type="checkbox"/> DISCLOSURE <input type="checkbox"/> ENGINEERING CHANGE ORDER <input type="checkbox"/> REQUEST FOR ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> HANDBOOK <input type="checkbox"/> INDEX					REFERENCE DOCUMENTS:									
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)					APPLICABLE STANDARDS:														
SUBMIT FOR REVIEW TO: _____					DATE _____					PREPUBLICATION PROOF _____					DATE _____				
_____ BY _____					_____ BY _____					_____ BY _____					_____ BY _____				
_____ BY _____					_____ BY _____					_____ BY _____					_____ BY _____				
SUBMIT FOR APPROVAL TO: _____					DATE _____					PREPUBLICATION PROOF _____					DATE _____				
_____ BY _____					_____ BY _____					_____ BY _____					_____ BY _____				
Project Manager																			

VOYAGER DATA REQUIREMENT DESCRIPTION - 2ND SHEET

SPECIAL INSTRUCTIONS:

DRD NO.:
LS-012

None

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

1. Scope
2. Organization
 - a. Concepts
 - b. Relationships
 - c. Previous experience
3. Provisioning
 - a. Spare parts selection
 - b. Subcontractor's plan
4. Material support
 - a. Acquisition of spares
 - b. Inventory management
 - c. Reports
5. Transportation
 - a. Responsibility
 - b. Material movement

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

- c. Equipment description
- d. Schedule
- e. Delivery
- f. Alternate transportation media
- 6. Configuration updating (OSE)
 - a. Design change control
 - b. Modified kits
- 7. Communications
 - a. Types of equipment
- 8. Training
 - a. Proposed training courses
- 9. Technical handbooks
 - a. Types of manuals
- 10. Termination
 - a. Obsolete spare parts
 - b. Residual equipment

GE EXHIBIT DRD LS-013

VOYAGER DATA REQUIREMENT DESCRIPTION					DRD APPROVED BY:	DATE:	DATA CATEGORY:
ORGANIZATION ORIGINATING REQUIREMENT:	CODE: LS	OFFICE RESPONSIBLE FOR DRD:	CODE:	DRD PREPARED BY: J. Oakill	DATE: 7/28/67	CONTRACT NO.:	DRD NO.: LS-013
TITLE OF DOCUMENT: PLAN, FIELD COMMUNICATIONS					ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION: Test	TASK OR SUBTASK:	DRD ITEM NO.:
					ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:	DRL NO.:	LEVEL NO.:
					ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:	DDL NO.:	FILE NO.:
					TYPE OF DOCUMENT: <input checked="" type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input type="checkbox"/> REFERENCE <input type="checkbox"/> INFORMATION		
USE OF DOCUMENT: To establish the overall plan for communications between contractor in-house logistics support and field operations.					ORGANIZATION RESPONSIBLE FOR DOCUMENT STOWAGE:	NO. OF COPIES: 55	
					ESTIMATED MANHOURS FOR SINGLE PREPARATION:	INFORMATION CUTOFF DATE OR MILESTONE:	
					ESTIMATED COST (\$) FOR SINGLE PREPARATION:	DATE DATA DUE TO USER:	
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: LS-012 Plan, Logistics Support MP-002 Plan, Mission Operation Support (Spacecraft) TE-001 Plan, Integrated Test TE-013 Plan, Interface Test					FREQUENCY OF ISSUE: <input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input checked="" type="checkbox"/> OTHERWISE, AS SPECIFIED One time	PUBLICATION DATE: PDR	
					UPDATE (FREQUENCY OR MILESTONE): Not applicable		
					ESTIMATED EXPIRATION DATE:		
CLASSIFICATION: <input type="checkbox"/> SECRET <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input checked="" type="checkbox"/> UNCLASSIFIED					<input type="checkbox"/> GROUP 1 <input type="checkbox"/> GROUP 2 <input type="checkbox"/> GROUP 3 <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> PUBLIC DOMAIN	<input type="checkbox"/> SPECIAL HANDLING <input type="checkbox"/> NASA DISCREET <input type="checkbox"/> JPL DISCREET <input type="checkbox"/> PROJECT DISCREET <input type="checkbox"/> NOFORN	
FORM OF DATA: <input checked="" type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> CHART <input type="checkbox"/> DIAGRAM <input type="checkbox"/> DRAWING <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> MODEL <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> COMPUTER CARD <input type="checkbox"/> COMPUTER TAPE <input type="checkbox"/> MICROFILM (W/OR W/O CARD) <input type="checkbox"/> OTHER					KIND OF DATA: <input type="checkbox"/> ABSTRACT <input type="checkbox"/> BROCHURE <input type="checkbox"/> BULLETIN <input type="checkbox"/> CATALOG <input type="checkbox"/> CONTRACT <input type="checkbox"/> DIRECTIVE <input type="checkbox"/> DISCLOSURE <input type="checkbox"/> ENGINEERING CHANGE ORDER <input type="checkbox"/> REQUEST FOR ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> HANDBOOK <input type="checkbox"/> INDEX		
					REFERENCE DOCUMENTS:		
					APPLICABLE STANDARDS:		
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)							
DRAFT		DATE		PREPUBLICATION PROOF		DATE	
SUBMIT FOR REVIEW TO:							
		BY				BY	
SUBMIT FOR APPROVAL TO:		BY				BY	
Project Manager							

VOYAGER DATA REQUIREMENT DESCRIPTION - 2ND SHEET

SPECIAL INSTRUCTIONS:

DRD NO.:

LS-013

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

1. Introduction and purpose
2. Scope
3. Communications media
 - a. Description
 - (1) Telephone
 - (a) Leased Line
 - (b) Dial comm
 - (2) Control pouch mail
 - (3) Teletypewriter
 - (4) Teledata/flexowriter
 - (5) Datafax or facsimilie
 - (6) Wide band (if required)
 - (7) Others
 - b. Planned installations
 - (1) At the launch site
 - (2) At other field sites
 - c. Criteria for the use of communications media
4. Schedules
5. Training

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

GE EXHIBIT DRD LS-014

VOYAGER DATA REQUIREMENT DESCRIPTION				DRD APPROVED BY:		DATE:		DATA CATEGORY:	
ORGANIZATION ORIGINATING REQUIREMENT:		CODE:	OFFICE RESPONSIBLE FOR DRD:	CODE:	DRD PREPARED BY:	DATE:		CONTRACT NO.:	DRD NO.:
		LS			J. Oakill	7/28/67			LS-014
TITLE OF DOCUMENT: PLAN, PROVISIONING					ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION:		TASK OR SUBTASK:		DRD ITEM NO.:
					Test				
					ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:		DRL NO.:		LEVEL NO.:
					ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:		DDL NO.:		FILE NO.:
TYPE OF DOCUMENT: <input checked="" type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input type="checkbox"/> REFERENCE <input type="checkbox"/> INFORMATION					ORGANIZATION RESPONSIBLE FOR DOCUMENT STOWAGE:		NO. OF COPIES:		
USE OF DOCUMENT: Disclose the overall plan for supplying spare parts, consumables, bulk items, etc., to the launch site and other field sites.					ESTIMATED MANHOURS FOR SINGLE PREPARATION:		INFORMATION CUTOFF DATE OR MILESTONE:		
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: LS-012 Plan, Logistics Support LS-016 Plan, Site Support MP-002 Plan, Mission Operations Support (Spacecraft) TE-001 Plan, Integrated Test TE-013 Plan, Interface Test					ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER:		
CLASSIFICATION: <input type="checkbox"/> SECRET <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input checked="" type="checkbox"/> UNCLASSIFIED					FREQUENCY OF ISSUE: <input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input checked="" type="checkbox"/> OTHERWISE, AS SPECIFIED One time		PUBLICATION DATE:		
							PDR		
<input type="checkbox"/> GROUP 1 <input type="checkbox"/> GROUP 2 <input type="checkbox"/> GROUP 3 <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> PUBLIC DOMAIN					<input type="checkbox"/> SPECIAL HANDLING <input type="checkbox"/> NASA DISCREET <input type="checkbox"/> JPL DISCREET <input type="checkbox"/> PROJECT DISCREET <input type="checkbox"/> NOFORN		UPDATE (FREQUENCY OR MILESTONE):		
							As required thru CDR		
FORM OF DATA: <input checked="" type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> CHART <input type="checkbox"/> DIAGRAM <input type="checkbox"/> DRAWING <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> MODEL <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> COMPUTER CARD <input type="checkbox"/> COMPUTER TAPE <input type="checkbox"/> MICROFILM (W/OR W/O CARD) <input type="checkbox"/> OTHER					KIND OF DATA: <input type="checkbox"/> ABSTRACT <input type="checkbox"/> BROCHURE <input type="checkbox"/> BULLETIN <input type="checkbox"/> CATALOG <input type="checkbox"/> CONTRACT <input type="checkbox"/> DIRECTIVE <input type="checkbox"/> DISCLOSURE <input type="checkbox"/> ENGINEERING CHANGE ORDER <input type="checkbox"/> REQUEST FOR ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> HANDBOOK <input type="checkbox"/> INDEX		ESTIMATED EXPIRATION DATE:		
REFERENCE DOCUMENTS:					APPLICABLE STANDARDS:				
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)									
SUBMIT FOR REVIEW TO:		DRAFT		DATE		PREPUBLICATION PROOF		DATE	
BY						BY			
SUBMIT FOR APPROVAL TO:		Project Manager		BY				BY	

VOYAGER DATA REQUIREMENT DESCRIPTION - 2ND SHEET

DRD NO.:

LS-014

SPECIAL INSTRUCTIONS:

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

1. Purpose
2. Scope
3. Supply support
 - a. Spare parts
 - (1) Acquisition
 - (a) Routine
 - (b) Emergency
 - (c) Inter-site transfer
 - (2) Distribution
 - (3) Replacement of spares
 - (4) Storage and accounting
 - b. Bulk items
 - c. Consumables
4. Reports
 - a. Provisioning status
 - b. Delinquency report
 - c. Receiving reports
 - d. Failure and consumption reports
5. Termination of spare parts
 - a. Obsolete Spare Parts

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

- b. Residual spare parts
 - c. Shelf life expired items
6. Schedules

GE EXHIBIT DRD LS-015

VOYAGER DATA REQUIREMENT DESCRIPTION				DRD APPROVED BY:		DATE:		DATA CATEGORY:	
ORGANIZATION ORIGINATING REQUIREMENT:		CODE:	OFFICE RESPONSIBLE FOR DRD:	CODE:	DRD PREPARED BY:	DATE:		CONTRACT NO.:	DRD NO.:
		LS			J. Oakill	7/28/67			LS-015
TITLE OF DOCUMENT: PLAN, PACKAGING					ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION:		TASK OR SUBTASK:		DRD ITEM NO.:
					Manufacturing				
					ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:		DRL NO.:		LEVEL NO.:
					ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:		DDL NO.:		FILE NO.:
TYPE OF DOCUMENT: <input checked="" type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input type="checkbox"/> REFERENCE <input type="checkbox"/> INFORMATION									
USE OF DOCUMENT: Overall plan and approach for packaging hardware for shipment and/or storage.					ORGANIZATION RESPONSIBLE FOR DOCUMENT STOWAGE:		NO. OF COPIES:		
							55		
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: LS-012, Plan, Logistics Support LS-017, Plan, Transportation and Handling LS-018, Plan, Field Storage PQ-014, Specification, General Engineering, Planetary Quarantine Design SE-006, Plan, Cleanliness Control					ESTIMATED MANHOURS FOR SINGLE PREPARATION:		INFORMATION CUTOFF DATE OR MILESTONE:		
					ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER:		
					FREQUENCY OF ISSUE: <input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input checked="" type="checkbox"/> OTHERWISE, AS SPECIFIED One time		PUBLICATION DATE: PDF UPDATE (FREQUENCY OR MILESTONE): As required thru CDR ESTIMATED EXPIRATION DATE:		
CLASSIFICATION: <input type="checkbox"/> SECRET <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input checked="" type="checkbox"/> UNCLASSIFIED					<input type="checkbox"/> GROUP 1 <input type="checkbox"/> GROUP 2 <input type="checkbox"/> GROUP 3 <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> PUBLIC DOMAIN		<input type="checkbox"/> SPECIAL HANDLING <input type="checkbox"/> NASA DISCREET <input type="checkbox"/> JPL DISCREET <input type="checkbox"/> PROJECT DISCREET <input type="checkbox"/> NOFORN		
FORM OF DATA: KIND OF DATA: <input checked="" type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> ABSTRACT <input type="checkbox"/> INSTRUCTION <input type="checkbox"/> CHART <input type="checkbox"/> BROCHURE <input type="checkbox"/> LETTER <input type="checkbox"/> DIAGRAM <input type="checkbox"/> BULLETIN <input type="checkbox"/> LIST <input type="checkbox"/> DRAWING <input type="checkbox"/> CATALOG <input type="checkbox"/> LOG <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> CONTRACT <input type="checkbox"/> MANUAL <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> DIRECTIVE <input type="checkbox"/> MEMORANDUM <input type="checkbox"/> MODEL <input type="checkbox"/> DISCLOSURE <input type="checkbox"/> MINUTES <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> ENGINEERING CHANGE ORDER <input checked="" type="checkbox"/> PLAN <input type="checkbox"/> COMPUTER CARD <input type="checkbox"/> REQUEST FOR ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> PROCEDURE <input type="checkbox"/> COMPUTER TAPE <input type="checkbox"/> ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> REGULATION <input type="checkbox"/> MICROFILM (W/OR W/O CARD) <input type="checkbox"/> HANDBOOK <input type="checkbox"/> REPORT <input type="checkbox"/> OTHER <input type="checkbox"/> INDEX <input type="checkbox"/> SCHEDULE _____ _____ _____ <input type="checkbox"/> SPECIFICATION _____ _____ _____ <input type="checkbox"/> STANDARD _____ _____ _____ <input type="checkbox"/> VOUCHER					REFERENCE DOCUMENTS:				
					APPLICABLE STANDARDS:				
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)									
DRAFT DATE PREPUBLICATION PROOF DATE									
SUBMIT FOR REVIEW TO: _____									
_____ BY _____									
_____ BY _____									
_____ BY _____									
SUBMIT FOR APPROVAL TO: <u>Manager, Logistics and Support</u> BY _____									

SPECIAL INSTRUCTIONS:

DRD NO.:

LS-015

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

1. Scope
2. Applicable documents
3. Approach and concepts
 - a. General considerations
 - (1) Cleanliness
 - (2) Safety
 - (3) Contamination
 - (4) Magnetics
 - b. Approach
 - (1) Quantity items
 - (2) Components and assemblies
 - (3) Systems
 - (4) OSE
4. Packaging criteria
 - a. Packaging and packing requirements as a function of:
 - (1) Size of the item and weight
 - (2) Type of equipment
 - (3) Mode of transportation
 - (4) Etc.

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

- b. Constraints
 - (1) Environmental
 - (2) Other
- c. Explosive or special materials
- 5. Subcontractor and vendor packaging
- 6. Security (as required)

GE EXHIBIT DRD LS-016

VOYAGER DATA REQUIREMENT DESCRIPTION				DRD APPROVED BY:		DATE:		DATA CATEGORY:									
ORGANIZATION ORIGINATING REQUIREMENT:		CODE: LS	OFFICE RESPONSIBLE FOR DRD:		CODE:	DRD PREPARED BY: J. Oakill		DATE: 7/28/67		CONTRACT NO.:	DRD NO.: LS-016						
TITLE OF DOCUMENT: PLAN, SITE SUPPORT						ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION: Test		TASK OR SUBTASK:		DRL ITEM NO.:							
						ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:		DRL NO.:		LEVEL NO.:							
						ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:		DDL NO.:		FILE NO.:							
						ORGANIZATION RESPONSIBLE FOR DOCUMENT STOWAGE:		NO. OF COPIES: 55									
TYPE OF DOCUMENT: <input checked="" type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input type="checkbox"/> REFERENCE <input type="checkbox"/> INFORMATION						ESTIMATED MANHOURS FOR SINGLE PREPARATION:		INFORMATION CUTOFF DATE OR MILESTONE:		ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER:					
USE OF DOCUMENT: Establishes the logistics plan for each specific field site in the light of the peculiar requirements for that site.						ESTIMATED MANHOURS FOR SINGLE PREPARATION:		INFORMATION CUTOFF DATE OR MILESTONE:		ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER:					
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: LS-012 Plan, Logistics Support MP-002 Plan, Mission Operations Support (Spacecraft) TE-001 Plan, Integrated Test TE-013 Plan, Interface Test						FREQUENCY OF ISSUE: <input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input checked="" type="checkbox"/> OTHERWISE, AS SPECIFIED One time		PUBLICATION DATE: PDR		UPDATE (FREQUENCY OR MILESTONE): Not applicable		ESTIMATED EXPIRATION DATE:					
CLASSIFICATION: <input type="checkbox"/> SECRET <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input checked="" type="checkbox"/> UNCLASSIFIED						<input type="checkbox"/> GROUP 1 <input type="checkbox"/> GROUP 2 <input type="checkbox"/> GROUP 3 <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> PUBLIC DOMAIN		<input type="checkbox"/> SPECIAL HANDLING <input type="checkbox"/> NASA DISCREET <input type="checkbox"/> JPL DISCREET <input type="checkbox"/> PROJECT DISCREET <input type="checkbox"/> NOFORN									
FORM OF DATA: <input checked="" type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> CHART <input type="checkbox"/> DIAGRAM <input type="checkbox"/> DRAWING <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> MODEL <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> COMPUTER CARD <input type="checkbox"/> COMPUTER TAPE <input type="checkbox"/> MICROFILM (W/OR W/O CARD) <input type="checkbox"/> OTHER						KIND OF DATA: <input type="checkbox"/> ABSTRACT <input type="checkbox"/> BROCHURE <input type="checkbox"/> BULLETIN <input type="checkbox"/> CATALOG <input type="checkbox"/> CONTRACT <input type="checkbox"/> DIRECTIVE <input type="checkbox"/> DISCLOSURE <input type="checkbox"/> ENGINEERING CHANGE ORDER <input type="checkbox"/> REQUEST FOR ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> HANDBOOK <input type="checkbox"/> INDEX <input type="checkbox"/> INSTRUCTION <input type="checkbox"/> LETTER <input type="checkbox"/> LIST <input type="checkbox"/> LOG <input type="checkbox"/> MANUAL <input type="checkbox"/> MEMORANDUM <input type="checkbox"/> MINUTES <input checked="" type="checkbox"/> PLAN <input type="checkbox"/> PROCEDURE <input type="checkbox"/> REGULATION <input type="checkbox"/> REPORT <input type="checkbox"/> SCHEDULE <input type="checkbox"/> SPECIFICATION <input type="checkbox"/> STANDARD <input type="checkbox"/> VOUCHER						REFERENCE DOCUMENTS:					
						APPLICABLE STANDARDS:											
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)																	
DRAFT DATE PREPUBLICATION PROOF DATE																	
SUBMIT FOR REVIEW TO: _____ BY _____																	
SUBMIT FOR APPROVAL TO: _____ BY _____																	
Manager, Logistics and Support																	

VOYAGER DATA REQUIREMENT DESCRIPTION - 2ND SHEET

DRD NO.:

LS-016

SPECIAL INSTRUCTIONS:

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

1. Purpose
2. Scope
3. Support plan
 - a. Organization
 - b. Provisioning
 - (1) OSE
 - (2) Spare parts and materials
 - (3) Bulk items
 - (4) Special tools and equipment
 - c. Communications plan
 - d. Transportation plan
 - e. Maintenance
4. Site activation
 - a. Personnel and training
 - b. Equipment installation and check-out
 - c. Schedules
5. Reporting and control
6. References

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

GE EXHIBIT DRD LS-017

VOYAGER DATA REQUIREMENT DESCRIPTION				DRD APPROVED BY:		DATE:	DATA CATEGORY:
ORGANIZATION ORIGINATING REQUIREMENT:	CODE: LS	OFFICE RESPONSIBLE FOR DRD:	CODE:	DRD PREPARED BY: J. Oakill	DATE: 7/28/67	CONTRACT NO.:	DRD NO.: LS-017
TITLE OF DOCUMENT: <div style="text-align: center; font-weight: bold; padding: 10px;">PLAN, TRANSPORTATION AND HANDLING</div>				ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION: <div style="text-align: center; font-weight: bold;">Manufacturing/Test</div>		TASK OR SUBTASK:	DRL ITEM NO.:
				ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:		DRL NO.:	LEVEL NO.:
				ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:		DDL NO.:	FILE NO.:
				TYPE OF DOCUMENT: <input checked="" type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input type="checkbox"/> REFERENCE <input type="checkbox"/> INFORMATION			
USE OF DOCUMENT: Discloses overall plan for the movement of hardware and equipment. Used by contractor as the basis for detailed planning relative to funding, amount of hardware, etc.				ORGANIZATION RESPONSIBLE FOR DOCUMENT STOWAGE:		NO. OF COPIES: <div style="text-align: center; font-weight: bold;">50</div>	
				ESTIMATED MANHOURS FOR SINGLE PREPARATION:		INFORMATION CUTOFF DATE OR MILESTONE:	
				ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER:	
				FREQUENCY OF ISSUE: <div style="font-size: small;"> <input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input checked="" type="checkbox"/> OTHERWISE, AS SPECIFIED </div> <div style="text-align: center; font-weight: bold; font-size: large;">One time</div>		PUBLICATION DATE: <div style="text-align: center; font-weight: bold; font-size: large;">PDR</div> UPDATE (FREQUENCY OR MILESTONE): <div style="text-align: center; font-weight: bold; font-size: large;">As required thru CDR</div> ESTIMATED EXPIRATION DATE:	
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: LS-012, Plan, Logistic Support MP-002, Plan, Mission Operations Support (Spacecraft) SE-008, Specification, System Performance/Design Requirements TE-001, Plan, Integrated Test TE-159, Procedure, Equipment (Spacecraft and Support) Assembly and Handling				CLASSIFICATION:			
				<div style="font-size: x-small;"> <input type="checkbox"/> SECRET <input type="checkbox"/> GROUP 1 <input type="checkbox"/> SPECIAL HANDLING <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> GROUP 2 <input type="checkbox"/> NASA DISCREET <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> GROUP 3 <input type="checkbox"/> JPL DISCREET <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> PROJECT DISCREET <input checked="" type="checkbox"/> UNCLASSIFIED <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> PUBLIC DOMAIN <input type="checkbox"/> NOFORN </div>			
FORM OF DATA: KIND OF DATA: <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input checked="" type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> CHART <input type="checkbox"/> DIAGRAM <input type="checkbox"/> DRAWING <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> MODEL <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> COMPUTER CARD <input type="checkbox"/> COMPUTER TAPE <input type="checkbox"/> MICROFILM (W/OR W/O CARD) <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> ABSTRACT <input type="checkbox"/> BROCHURE <input type="checkbox"/> BULLETIN <input type="checkbox"/> CATALOG <input type="checkbox"/> CONTRACT <input type="checkbox"/> DIRECTIVE <input type="checkbox"/> DISCLOSURE <input type="checkbox"/> ENGINEERING CHANGE ORDER <input type="checkbox"/> REQUEST FOR ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> HANDBOOK <input type="checkbox"/> INDEX </div> <div style="width: 33%;"> <input type="checkbox"/> INSTRUCTION <input type="checkbox"/> LETTER <input type="checkbox"/> LIST <input type="checkbox"/> LOG <input type="checkbox"/> MANUAL <input type="checkbox"/> MEMORANDUM <input type="checkbox"/> MINUTES <input checked="" type="checkbox"/> PLAN <input type="checkbox"/> PROCEDURE <input type="checkbox"/> REGULATION <input type="checkbox"/> REPORT <input type="checkbox"/> SCHEDULE <input type="checkbox"/> SPECIFICATION <input type="checkbox"/> STANDARD <input type="checkbox"/> VOUCHER </div> </div>				REFERENCE DOCUMENTS: APPLICABLE STANDARDS:			
				DRAFT	DATE	PREPUBLICATION PROOF	DATE
SUBMIT FOR REVIEW TO:				BY		BY	
SUBMIT FOR APPROVAL TO:				BY		BY	
<div style="text-align: center; font-weight: bold; padding: 5px;">Manager, Logistics and Support</div>				BY		BY	

DRD NO.:

LS-017

SPECIAL INSTRUCTIONS:

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

1. Scope
 - a. Major items
 - b. Packaging
 - c. Specifications/exhibits
2. Responsibility
 - a. Customer responsibility
 - b. Contractor responsibility
3. Material movement
 - a. Movement of equipment between locations
 - b. Basic transportation mode
 - c. Transportation routing
4. Equipment description
 - a. Items of equipment
 - b. Transportation medium
 - c. FOB point
5. Schedule
 - a. Vehicle
 - b. OSE
 - c. Spares

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

6. Delivery
 - a. Shipping document preparation
 - b. Transportation arrangements
 - c. Special handling considerations
7. Alternate transportation media
 - a. Highway shipment
 - b. Railway shipment
 - c. Waterway

GE EXHIBIT DRD LS-018

VOYAGER DATA REQUIREMENT DESCRIPTION				DRD APPROVED BY:		DATE:	DATA CATEGORY:
ORGANIZATION ORIGINATING REQUIREMENT:	CODE: LS	OFFICE RESPONSIBLE FOR DRD:	CODE:	DRD PREPARED BY: J. Oakill	DATE: 7/28/67	CONTRACT NO.:	DRD NO.: LS-018
TITLE OF DOCUMENT: PLAN, FIELD STORAGE				ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION: Test		TASK OR SUBTASK:	DRL ITEM NO.:
				ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:		DRL NO.:	LEVEL NO.:
				ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:		DRL NO.:	FILE NO.:
TYPE OF DOCUMENT: <input checked="" type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input type="checkbox"/> REFERENCE <input type="checkbox"/> INFORMATION							
USE OF DOCUMENT: Establish the overall plan for field storage of OSE, spares and special equipment and reactivation of same.				ORGANIZATION RESPONSIBLE FOR DOCUMENT STOWAGE:		NO. OF COPIES: 55	
				ESTIMATED MANHOURS FOR SINGLE PREPARATION:		INFORMATION CUTOFF DATE OR MILESTONE:	
				ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER:	
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: LS-012 Plan, Logistics Support LS-016 Plan, Site Support MP-002 Plan, Mission Operations Support (Spacecraft) TE-001 Plan, Integrated test TE-013 Plan, Interface test				FREQUENCY OF ISSUE:		PUBLICATION DATE: PDR	
				<input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input checked="" type="checkbox"/> OTHERWISE, AS SPECIFIED One time		UPDATE (FREQUENCY OR MILESTONE): As required through CDR	
						ESTIMATED EXPIRATION DATE:	
CLASSIFICATION: <input type="checkbox"/> GROUP 1 <input type="checkbox"/> SPECIAL HANDLING <input type="checkbox"/> SECRET <input type="checkbox"/> GROUP 2 <input type="checkbox"/> NASA DISCREET <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> GROUP 3 <input type="checkbox"/> JPL DISCREET <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROJECT DISCREET <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> NOFORN <input checked="" type="checkbox"/> UNCLASSIFIED <input type="checkbox"/> PUBLIC DOMAIN							
FORM OF DATA: KIND OF DATA: <input checked="" type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> ABSTRACT <input type="checkbox"/> INSTRUCTION <input type="checkbox"/> CHART <input type="checkbox"/> BROCHURE <input type="checkbox"/> LETTER <input type="checkbox"/> DIAGRAM <input type="checkbox"/> BULLETIN <input type="checkbox"/> LIST <input type="checkbox"/> DRAWING <input type="checkbox"/> CATALOG <input type="checkbox"/> LOG <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> CONTRACT <input type="checkbox"/> MANUAL <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> DIRECTIVE <input type="checkbox"/> MEMORANDUM <input type="checkbox"/> MODEL <input type="checkbox"/> DISCLOSURE <input type="checkbox"/> MINUTES <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> ENGINEERING CHANGE ORDER <input checked="" type="checkbox"/> PLAN <input type="checkbox"/> COMPUTER CARD <input type="checkbox"/> REQUEST FOR ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> PROCEDURE <input type="checkbox"/> COMPUTER TAPE <input type="checkbox"/> ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> REGULATION <input type="checkbox"/> MICROFILM (W/OR W/O CARD) <input type="checkbox"/> SCHEDULE <input type="checkbox"/> OTHER <input type="checkbox"/> SPECIFICATION <input type="checkbox"/> HANDBOOK <input type="checkbox"/> STANDARD <input type="checkbox"/> INDEX <input type="checkbox"/> VOUCHER				REFERENCE DOCUMENTS:			
				APPLICABLE STANDARDS:			
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)							
DRAFT		DATE		PREPUBLICATION PROOF		DATE	
SUBMIT FOR REVIEW TO: _____		_____		_____		_____	
_____ BY _____		_____		_____ BY _____		_____	
_____		_____		_____		_____	
SUBMIT FOR APPROVAL TO: _____		_____		_____		_____	
Manager, Logistics and Support		BY _____		_____		BY _____	

VOYAGER DATA REQUIREMENT DESCRIPTION - 2ND SHEET

DRD NO.:

LS-018

SPECIAL INSTRUCTIONS:

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

1. Purpose
2. Scope
3. Storage plans (by equipment type and location)
 - a. Requirements
 - b. Environmental constraints (temperature, humidity, cleanliness, etc.)
 - c. Monitoring
 - d. Special packaging
 - e. Storage location
4. Maintenance
5. Reactivation of stored equipment
6. Schedules
7. Procedures

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

GE EXHIBIT DRD LS-020

VOYAGER DATA REQUIREMENT DESCRIPTION				DRD APPROVED BY:		DATE:		DATA CATEGORY:									
ORGANIZATION ORIGINATING REQUIREMENT:		CODE: LS	OFFICE RESPONSIBLE FOR DRD:		CODE:	DRD PREPARED BY: J. Oakill		DATE: 7/28/67		CONTRACT NO.:	DRD NO.: LS-020						
TITLE OF DOCUMENT: MODIFICATION KIT INSTRUCTIONS						ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION: Test/Engineering		TASK OR SUBTASK:		DRL ITEM NO.:							
						ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:		DRL NO.:		LEVEL NO.:							
						ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:		DDL NO.:		FILE NO.:							
TYPE OF DOCUMENT: <input type="checkbox"/> CONTROL <input checked="" type="checkbox"/> ACTION <input type="checkbox"/> REFERENCE <input type="checkbox"/> INFORMATION						ORGANIZATION RESPONSIBLE FOR DOCUMENT STOWAGE:		NO. OF COPIES: 30									
USE OF DOCUMENT: To provide detailed instructions to contractor personnel for making field changes and modifications						ESTIMATED MANHOURS FOR SINGLE PREPARATION:		INFORMATION CUTOFF DATE OR MILESTONE:									
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: CM-001, Engineering Change Proposal CM-002, Specification Change Notice (SCN) SE-010, Contract End Item (CEI) Detail Specification (Prime Equipment) Part I (Requirements) SE-011, Contract End Item (CEI) Detail Spec (Prime Equip) Part II						ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER:									
						FREQUENCY OF ISSUE: <input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input checked="" type="checkbox"/> OTHERWISE, AS SPECIFIED One time		PUBLICATION DATE: HDR									
								UPDATE (FREQUENCY OR MILESTONE): Not applicable									
CLASSIFICATION: <input type="checkbox"/> SECRET <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input checked="" type="checkbox"/> UNCLASSIFIED						<input type="checkbox"/> GROUP 1 <input type="checkbox"/> GROUP 2 <input type="checkbox"/> GROUP 3 <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> PUBLIC DOMAIN		<input type="checkbox"/> SPECIAL HANDLING <input type="checkbox"/> NASA DISCREET <input type="checkbox"/> JPL DISCREET <input type="checkbox"/> PROJECT DISCREET <input type="checkbox"/> NOFORN		ESTIMATED EXPIRATION DATE:							
FORM OF DATA: <input checked="" type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> CHART <input type="checkbox"/> DIAGRAM <input type="checkbox"/> DRAWING <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> MODEL <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> COMPUTER CARD <input type="checkbox"/> COMPUTER TAPE <input type="checkbox"/> MICROFILM (W/OR W/O CARD) <input type="checkbox"/> OTHER						KIND OF DATA: <input type="checkbox"/> ABSTRACT <input type="checkbox"/> BROCHURE <input type="checkbox"/> BULLETIN <input type="checkbox"/> CATALOG <input type="checkbox"/> CONTRACT <input type="checkbox"/> DIRECTIVE <input type="checkbox"/> DISCLOSURE <input type="checkbox"/> ENGINEERING CHANGE ORDER <input type="checkbox"/> REQUEST FOR ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> HANDBOOK <input type="checkbox"/> INDEX <input checked="" type="checkbox"/> INSTRUCTION <input type="checkbox"/> LETTER <input type="checkbox"/> LIST <input type="checkbox"/> LOG <input type="checkbox"/> MANUAL <input type="checkbox"/> MEMORANDUM <input type="checkbox"/> MINUTES <input type="checkbox"/> PLAN <input type="checkbox"/> PROCEDURE <input type="checkbox"/> REGULATION <input type="checkbox"/> REPORT <input type="checkbox"/> SCHEDULE <input type="checkbox"/> SPECIFICATION <input type="checkbox"/> STANDARD <input type="checkbox"/> VOUCHER						REFERENCE DOCUMENTS:					
						APPLICABLE STANDARDS:											
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)																	
DRAFT				DATE		PREPUBLICATION PROOF				DATE							
SUBMIT FOR REVIEW TO: _____				_____		_____				_____							
_____				_____		_____				_____							
_____ BY _____				_____		_____				_____ BY _____							
_____				_____		_____				_____							
_____				_____		_____				_____							
SUBMIT FOR APPROVAL TO: _____				_____		_____				_____							
Manager, Logistics and Support				_____ BY _____		_____				_____ BY _____							
_____				_____		_____				_____							

GE EXHIBIT DRD LS-020

VOYAGER DATA REQUIREMENT DESCRIPTION - 2ND SHEET

SPECIAL INSTRUCTIONS:

DRD NO.:
LS-020

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

1. Purpose
2. Applicable documents
3. Retrofit authorization
4. Instructions
 - a. Installation detailed instruction
 - b. Material - material required
 - c. Test - special test requirements and instructions to check out change
 - d. OSE - special requirements or procedure
5. Effectivity
 - a. Flight hardware retrofit number
 - b. OSE retrofit number
 - c. Location
6. Notes

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

GE EXHIBIT DRD LS-021

VOYAGER DATA REQUIREMENT DESCRIPTION				DRD APPROVED BY:		DATE:		DATA CATEGORY:						
ORGANIZATION ORIGINATING REQUIREMENT:		CODE:	OFFICE RESPONSIBLE FOR DRD:	CODE:	DRD PREPARED BY:		DATE:		CONTRACT NO.:	DRD NO.:				
		LS			J. Oakill/J. Kotzar		7/28/67			LS-021				
TITLE OF DOCUMENT: PROCEDURE, HANDLING					ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION:		TASK OR SUBTASK:		DRD ITEM NO.:					
					Manufacturing									
					ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:		DRL NO.:		LEVEL NO.:					
					ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:		DDL NO.:		FILE NO.:					
TYPE OF DOCUMENT: <input checked="" type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input type="checkbox"/> REFERENCE <input type="checkbox"/> INFORMATION					ORGANIZATION RESPONSIBLE FOR DOCUMENT STOWAGE:		NO. OF COPIES:							
USE OF DOCUMENT: Provides detailed instructions to the contractor for handling specific pieces of equipment during movement and transportation to field sites.					ESTIMATED MANHOURS FOR SINGLE PREPARATION:		INFORMATION CUTOFF DATE OR MILESTONE:							
					ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER:							
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: LS-012 Plan, Logistic Support LS-015 Plan, Packaging LS-017 Plan, Transportation and Handling MP-002 Plan, Mission Operations Support (Spacecraft)					FREQUENCY OF ISSUE:		PUBLICATION DATE:							
					<input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input checked="" type="checkbox"/> OTHERWISE, AS SPECIFIED One time		HDR							
							UPDATE (FREQUENCY OR MILESTONE): Not applicable							
CLASSIFICATION:					ESTIMATED EXPIRATION DATE:									
<input type="checkbox"/> SECRET <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input checked="" type="checkbox"/> UNCLASSIFIED					<input type="checkbox"/> GROUP 1 <input type="checkbox"/> GROUP 2 <input type="checkbox"/> GROUP 3 <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> PUBLIC DOMAIN		<input type="checkbox"/> SPECIAL HANDLING <input type="checkbox"/> NASA DISCREET <input type="checkbox"/> JPL DISCREET <input type="checkbox"/> PROJECT DISCREET <input type="checkbox"/> NOFORN							
FORM OF DATA: <input checked="" type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> CHART <input type="checkbox"/> DIAGRAM <input type="checkbox"/> DRAWING <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> MODEL <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> COMPUTER CARD <input type="checkbox"/> COMPUTER TAPE <input type="checkbox"/> MICROFILM (W/OR W/O CARD) <input type="checkbox"/> OTHER _____ _____ _____					KIND OF DATA: <input type="checkbox"/> ABSTRACT <input type="checkbox"/> BROCHURE <input type="checkbox"/> BULLETIN <input type="checkbox"/> CATALOG <input type="checkbox"/> CONTRACT <input type="checkbox"/> DIRECTIVE <input type="checkbox"/> DISCLOSURE <input type="checkbox"/> ENGINEERING CHANGE ORDER <input type="checkbox"/> REQUEST FOR ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> HANDBOOK <input type="checkbox"/> INDEX					<input type="checkbox"/> INSTRUCTION <input type="checkbox"/> LETTER <input type="checkbox"/> LIST <input type="checkbox"/> LOG <input type="checkbox"/> MANUAL <input type="checkbox"/> MEMORANDUM <input type="checkbox"/> MINUTES <input checked="" type="checkbox"/> PLAN <input type="checkbox"/> PROCEDURE <input type="checkbox"/> REGULATION <input type="checkbox"/> REPORT <input type="checkbox"/> SCHEDULE <input type="checkbox"/> SPECIFICATION <input type="checkbox"/> STANDARD <input type="checkbox"/> VOUCHER				
					REFERENCE DOCUMENTS:									
APPLICABLE STANDARDS:														
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)														
DRAFT			DATE			PREPUBLICATION PROOF			DATE					
SUBMIT FOR REVIEW TO: _____			_____			_____			_____					
_____			BY _____			_____			BY _____					
_____			_____			_____			_____					
_____			_____			_____			_____					
SUBMIT FOR APPROVAL TO: _____			_____			_____			_____					
Manager, Logistics and Support			BY _____			_____			BY _____					
_____			_____			_____			_____					
_____			_____			_____			_____					

VOYAGER DATA REQUIREMENT DESCRIPTION - 2ND SHEET

DRD NO.:

LS-021

SPECIAL INSTRUCTIONS:

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

1. Objectives and scope
2. Requirements
 - a. Personnel
 - b. Configuration
 - c. Equipment
 - d. Instrumentation (as applicable)
 - e. Applicable documents
 - f. Environmental controls and constraints
3. Special instructions
 - a. Safety
 - b. Cleanliness
 - c. Sign-off
 - d. Terminal arrangements
 - e. Traffic Management
 - f. Security
 - g. Others, as required

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

4. Procedure
 - a. Preparation
 - b. Inspection
 - c. Loading and handling
 - d. Unloading
 - e. Inspection
5. Report of movement

GE EXHIBIT DRD LS-023

VOYAGER DATA REQUIREMENT DESCRIPTION				DRD APPROVED BY:		DATE:	DATA CATEGORY:		
ORGANIZATION ORIGINATING REQUIREMENT:	CODE: LS	OFFICE RESPONSIBLE FOR DRD:	CODE:	DRD PREPARED BY: J. Kotzar/J. Oakill	DATE: 7/28/67	CONTRACT NO.:	DRD NO.: LS-023		
TITLE OF DOCUMENT: REPORT, LOGISTICS SUMMARY				ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION: Test		TASK OR SUBTASK:	DRL ITEM NO.:		
				ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:		DRL NO.:	LEVEL NO.:		
				ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:		DDL NO.:	FILE NO.:		
				TYPE OF DOCUMENT: <input type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input type="checkbox"/> REFERENCE <input checked="" type="checkbox"/> INFORMATION					
USE OF DOCUMENT: Final report on the logistics activity during the course of the program. Used to evaluate this activity and make recommendations for future projects				ORGANIZATION RESPONSIBLE FOR DOCUMENT STOWAGE:		NO. OF COPIES: 75			
				ESTIMATED MANHOURS FOR SINGLE PREPARATION:		INFORMATION CUTOFF DATE OR MILESTONE:			
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: MA-013 Report, Final Project MP-002 Plan, Mission Operations Support (Spacecraft) TE-001 Plan, Integrated Test TE-166 Report, Test Program Summary				ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER:			
				FREQUENCY OF ISSUE: <input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input checked="" type="checkbox"/> OTHERWISE, AS SPECIFIED One time		PUBLICATION DATE: Through launch UPDATE (FREQUENCY OR MILESTONE): Not applicable ESTIMATED EXPIRATION DATE:			
CLASSIFICATION: <input type="checkbox"/> SECRET <input type="checkbox"/> GROUP 1 <input type="checkbox"/> SPECIAL HANDLING <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> GROUP 2 <input type="checkbox"/> NASA DISCREET <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> GROUP 3 <input type="checkbox"/> JPL DISCREET <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROJECT DISCREET <input checked="" type="checkbox"/> UNCLASSIFIED <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> NOFORN <input type="checkbox"/> PUBLIC DOMAIN									
FORM OF DATA: KIND OF DATA: <input checked="" type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> ABSTRACT <input type="checkbox"/> INSTRUCTION <input type="checkbox"/> CHART <input type="checkbox"/> BROCHURE <input type="checkbox"/> LETTER <input type="checkbox"/> DIAGRAM <input type="checkbox"/> BULLETIN <input type="checkbox"/> LIST <input type="checkbox"/> DRAWING <input type="checkbox"/> CATALOG <input type="checkbox"/> LOG <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> CONTRACT <input type="checkbox"/> MANUAL <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> DIRECTIVE <input type="checkbox"/> MEMORANDUM <input type="checkbox"/> MODEL <input type="checkbox"/> DISCLOSURE <input type="checkbox"/> MINUTES <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> ENGINEERING CHANGE ORDER <input type="checkbox"/> PLAN <input type="checkbox"/> COMPUTER CARD <input type="checkbox"/> REQUEST FOR ENGINEERING CHANGE PROPOSAL <input checked="" type="checkbox"/> REGULATION <input type="checkbox"/> COMPUTER TAPE <input type="checkbox"/> SCHEDULE <input type="checkbox"/> MICROFILM (W/OR W/O CARD) <input type="checkbox"/> SPECIFICATION <input type="checkbox"/> OTHER <input type="checkbox"/> STANDARD <input type="checkbox"/> HANDBOOK <input type="checkbox"/> INDEX <input type="checkbox"/> VOUCHER				REFERENCE DOCUMENTS: APPLICABLE STANDARDS: 					
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)									
DRAFT		DATE		PREPUBLICATION PROOF		DATE			
SUBMIT FOR REVIEW TO:									
		BY				BY			
SUBMIT FOR APPROVAL TO:		BY				BY			
Project Manager									

VOYAGER DATA REQUIREMENT DESCRIPTION - 2ND SHEET

DRD NO.:

LS-023

SPECIAL INSTRUCTIONS:

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

1. Introduction and scope
2. Summary and overall recommendations
3. Logistics activities
 - a. Supply summary
 - (1) Procedure for identifying type and number of spares.
 - (2) Spares distribution (planned and actual)
 - (3) Bulk items and consumables (planned and actual)
 - b. Transportation summary
 - (1) Mode used to various sites and alternates used
 - (2) Planned versus actual transportation times
 - (3) Packaging and effectiveness
 - (4) Storage
 - (5) Failures attributed to or resulting from transportation and storage
 - c. Maintenance summary
 - (1) Modifications
 - (2) Manuals
 - (3) Procedures
 - (4) Special tools

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

- d. Communications summary
 - (1) Summary of communications by type related to activities by date.
- e. Training
- 4. Analysis and evaluation
 - a. Analysis
 - b. Conclusions and recommendations
 - (1) Spares
 - (a) Number
 - (b) Distribution
 - (c) Control
 - (1) Maintenance
 - (2) Transportation
 - (3) Communication
- 5. References

GE EXHIBIT DRD LS-025

VOYAGER DATA REQUIREMENT DESCRIPTION				DRD APPROVED BY:		DATE:		DATA CATEGORY:	
ORGANIZATION ORIGINATING REQUIREMENT:		CODE:	OFFICE RESPONSIBLE FOR DRD:	CODE:	DRD PREPARED BY:	DATE:		CONTRACT NO.:	DRD NO.:
		LS			J. Oakill	7/28/67			LS-025
TITLE OF DOCUMENT: REPORT, MODIFICATION KIT STATUS					ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION:		TASK OR SUBTASK:		DRD ITEM NO.:
					Test				
					ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:		DRL NO.:		LEVEL NO.:
					ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:		DDL NO.:		FILE NO.:
TYPE OF DOCUMENT: <input type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input type="checkbox"/> REFERENCE <input checked="" type="checkbox"/> INFORMATION					ORGANIZATION RESPONSIBLE FOR DOCUMENT STOWAGE:		NO. OF COPIES:		
USE OF DOCUMENT: Used by the contractor to report, measure and control modification kits and to improve this function							55		
					ESTIMATED MANHOURS FOR SINGLE PREPARATION:		INFORMATION CUTOFF DATE OR MILESTONE:		
					ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER:		
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: LS-012 Plan, Logistics Support MP-002 Plan, Mission Operations Support (Spacecraft) TE-001 Plan, Integrated Test TE-013 Plan, Interface Test					FREQUENCY OF ISSUE:		PUBLICATION DATE:		
					<input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input checked="" type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input type="checkbox"/> OTHERWISE, AS SPECIFIED		Through launch		
							UPDATE (FREQUENCY OR MILESTONE): Weekly		
CLASSIFICATION:							ESTIMATED EXPIRATION DATE:		
<input type="checkbox"/> SECRET <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input checked="" type="checkbox"/> UNCLASSIFIED					<input type="checkbox"/> GROUP 1 <input type="checkbox"/> GROUP 2 <input type="checkbox"/> GROUP 3 <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> PUBLIC DOMAIN				
<input type="checkbox"/> SPECIAL HANDLING <input type="checkbox"/> NASA DISCREET <input type="checkbox"/> JPL DISCREET <input type="checkbox"/> PROJECT DISCREET <input type="checkbox"/> NOFORN									
FORM OF DATA: KIND OF DATA: <input checked="" type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> ABSTRACT <input type="checkbox"/> INSTRUCTION <input type="checkbox"/> CHART <input type="checkbox"/> BROCHURE <input type="checkbox"/> LETTER <input type="checkbox"/> DIAGRAM <input type="checkbox"/> BULLETIN <input type="checkbox"/> LIST <input type="checkbox"/> DRAWING <input type="checkbox"/> CATALOG <input type="checkbox"/> LOG <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> CONTRACT <input type="checkbox"/> MANUAL <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> DIRECTIVE <input type="checkbox"/> MEMORANDUM <input type="checkbox"/> MODEL <input type="checkbox"/> DISCLOSURE <input type="checkbox"/> MINUTES <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> ENGINEERING CHANGE ORDER <input type="checkbox"/> PLAN <input type="checkbox"/> COMPUTER CARD <input type="checkbox"/> REQUEST FOR ENGINEERING CHANGE PROPOSAL <input checked="" type="checkbox"/> REPORT <input type="checkbox"/> COMPUTER TAPE <input type="checkbox"/> ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> SCHEDULE <input type="checkbox"/> MICROFILM (W/OR W/O CARD) <input type="checkbox"/> HANDBOOK <input type="checkbox"/> SPECIFICATION <input type="checkbox"/> OTHER <input type="checkbox"/> INDEX <input type="checkbox"/> VOUCHER					REFERENCE DOCUMENTS:				
					APPLICABLE STANDARDS:				
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)									
DRAFT DATE PREPUBLICATION PROOF DATE									
SUBMIT FOR REVIEW TO: _____									
_____ BY _____									
_____ BY _____									
_____ BY _____									
SUBMIT FOR APPROVAL TO: _____									
Manager, _____ BY _____									
Logistics and Support _____ BY _____									

DRD NO.:
LS-025

SPECIAL INSTRUCTIONS:

Modification Kit Status Reports may be prepared on printed forms. They shall be issued periodically beginning with the assembly of the modification kit in the factory and shall continue until the modification is completed.

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

1. Modification kit identification
 - a. Title
 - b. Identifying number
 - c. Date of report
 - d. Name of person preparing report
 - e. Priority of modification kit
2. Description
 - a. Modification
 - (1) Nature of modification
 - (2) Revision (as applicable)
 - b. Equipment being modified
 - (1) Type of equipment
 - (2) Modification number

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

3. Status
 - a. Description of current status (may be coded for progressive steps in the initiation/ completion cycle)
 - b. Need date
 - c. Promise date
 - d. Shipment date
 - e. Received date
 - f. Modification complete
 - g. Buy-off date
4. References and codes (as applicable)

GE EXHIBIT DRD LS-026

VOYAGER DATA REQUIREMENT DESCRIPTION				DRD APPROVED BY:		DATE:		DATA CATEGORY:	
ORGANIZATION ORIGINATING REQUIREMENT:		CODE:	OFFICE RESPONSIBLE FOR DRD:	CODE:	DRD PREPARED BY:	DATE:		CONTRACT NO.:	DRD NO.:
		LS			J. Oakill	7/28/67			LS-026
TITLE OF DOCUMENT: REPORT, PROVISIONING STATUS					ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION:		TASK OR SUBTASK:		DRD ITEM NO.:
					Test				
					ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:		DRL NO.:		LEVEL NO.:
					ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:		DDL NO.:		FILE NO.:
TYPE OF DOCUMENT: <input type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input type="checkbox"/> REFERENCE <input checked="" type="checkbox"/> INFORMATION					ORGANIZATION RESPONSIBLE FOR DOCUMENT STOWAGE:		NO. OF COPIES:		
USE OF DOCUMENT: Used by the contractor to report, measure, and control provisioning and to improve this function							30		
					ESTIMATED MANHOURS FOR SINGLE PREPARATION:		INFORMATION CUTOFF DATE OR MILESTONE:		
					ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER:		
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: LS-012 Plan, Logistics Support MA-007 Plan, Project Implementation TE-001 Plan, Integrated Test TE-013 Plan, Interface Test					FREQUENCY OF ISSUE:		PUBLICATION DATE:		
					<input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input checked="" type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input type="checkbox"/> OTHERWISE, AS SPECIFIED		HDR		
							UPDATE (FREQUENCY OR MILESTONE): Weekly		
CLASSIFICATION:							ESTIMATED EXPIRATION DATE:		
<input type="checkbox"/> SECRET <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input checked="" type="checkbox"/> UNCLASSIFIED					<input type="checkbox"/> GROUP 1 <input type="checkbox"/> GROUP 2 <input type="checkbox"/> GROUP 3 <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> PUBLIC DOMAIN				
<input type="checkbox"/> SPECIAL HANDLING <input type="checkbox"/> NASA DISCREET <input type="checkbox"/> JPL DISCREET <input type="checkbox"/> PROJECT DISCREET <input type="checkbox"/> NOFORN									
FORM OF DATA:					REFERENCE DOCUMENTS:				
KIND OF DATA:					APPLICABLE STANDARDS:				
<input checked="" type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> CHART <input type="checkbox"/> DIAGRAM <input type="checkbox"/> DRAWING <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> MODEL <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> COMPUTER CARD <input type="checkbox"/> COMPUTER TAPE <input type="checkbox"/> MICROFILM (W/OR W/O CARD) <input type="checkbox"/> OTHER					<input type="checkbox"/> ABSTRACT <input type="checkbox"/> BROCHURE <input type="checkbox"/> BULLETIN <input type="checkbox"/> CATALOG <input type="checkbox"/> CONTRACT <input type="checkbox"/> DIRECTIVE <input type="checkbox"/> DISCLOSURE <input type="checkbox"/> ENGINEERING CHANGE ORDER <input type="checkbox"/> REQUEST FOR ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> HANDBOOK <input type="checkbox"/> INDEX				
<input type="checkbox"/> INSTRUCTION <input type="checkbox"/> LETTER <input type="checkbox"/> LIST <input type="checkbox"/> LOG <input type="checkbox"/> MANUAL <input type="checkbox"/> MEMORANDUM <input type="checkbox"/> MINUTES <input type="checkbox"/> PLAN <input type="checkbox"/> PROCEDURE <input type="checkbox"/> REGULATION <input checked="" type="checkbox"/> REPORT <input type="checkbox"/> SCHEDULE <input type="checkbox"/> SPECIFICATION <input type="checkbox"/> STANDARD <input type="checkbox"/> VOUCHER									
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)									
DRAFT DATE PREPUBLICATION PROOF DATE									
SUBMIT FOR REVIEW TO: _____ BY _____									
SUBMIT FOR APPROVAL TO: _____ BY _____									
Manager, Logistics and Support									

VOYAGER DATA REQUIREMENT DESCRIPTION - 2ND SHEET

DRD NO.:

LS-026

SPECIAL INSTRUCTIONS:

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

1. Purpose
2. Scope
3. Contents
 - a. Part number
 - b. Federal supply code for manufacturers (FSCM) (if applicable)
 - c. Nomenclature
 - d. Date ordered
 - e. Quantity ordered
 - f. Delivery schedule
 - g. Location
 - h. Date shipped
 - i. Inventory at location
 - j. Quantity delinquent (if any)
 - k. Price
4. Distribution

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

GE EXHIBIT DRD LS-027

VOYAGER DATA REQUIREMENT DESCRIPTION						DRD APPROVED BY:		DATE:		DATA CATEGORY:	
ORGANIZATION ORIGINATING REQUIREMENT:		CODE: LS	OFFICE RESPONSIBLE FOR DRD:		CODE:	DRD PREPARED BY: B. Daniels		DATE: 7/28/67		CONTRACT NO.: ORD NO.: LS-027	
TITLE OF DOCUMENT: PROCEDURE, STORAGE						ORGANIZATION RESPONSIBLE FOR DOCUMENT PREPARATION: Test		TASK OR SUBTASK:		DRL ITEM NO.:	
						ORGANIZATION RESPONSIBLE FOR DOCUMENT REPRODUCTION:		DRL NO.:		LEVEL NO.:	
						ORGANIZATION RESPONSIBLE FOR DOCUMENT DISTRIBUTION:		DDL NO.:		FILE NO.:	
TYPE OF DOCUMENT: <input checked="" type="checkbox"/> CONTROL <input type="checkbox"/> ACTION <input type="checkbox"/> REFERENCE <input type="checkbox"/> INFORMATION						ORGANIZATION RESPONSIBLE FOR DOCUMENT STOWAGE:		NO. OF COPIES: 50			
USE OF DOCUMENT: Provides detailed instructions for storing specific pieces of equipment during periods of extended inactivity.						ESTIMATED MANHOURS FOR SINGLE PREPARATION:		INFORMATION CUTOFF DATE OR MILESTONE:			
						ESTIMATED COST (\$) FOR SINGLE PREPARATION:		DATE DATA DUE TO USER:			
INTERRELATIONSHIP WITH OTHER DATA REQUIREMENTS: LS-012 Plan, Logistics Support LS-016 Plan, Site Support LS-018 Plan, Field Storage MP-002 Plan, Mission Operations Support (Spacecraft)						FREQUENCY OF ISSUE: <input type="checkbox"/> ANNUALLY <input type="checkbox"/> SEMI-ANNUALLY <input type="checkbox"/> QUARTERLY <input type="checkbox"/> BI-MONTHLY <input type="checkbox"/> MONTHLY <input type="checkbox"/> SEMI-MONTHLY <input type="checkbox"/> BI-WEEKLY <input type="checkbox"/> WEEKLY <input type="checkbox"/> DAILY <input checked="" type="checkbox"/> OTHERWISE, AS SPECIFIED One time		PUBLICATION DATE: HDR			
								UPDATE (FREQUENCY OR MILESTONE): As required			
								ESTIMATED EXPIRATION DATE:			
CLASSIFICATION: <input type="checkbox"/> SECRET <input type="checkbox"/> GROUP 1 <input type="checkbox"/> SPECIAL HANDLING <input type="checkbox"/> CONFIDENTIAL <input type="checkbox"/> GROUP 2 <input type="checkbox"/> NASA DISCREET <input type="checkbox"/> SECRET RESTRICTED DATA <input type="checkbox"/> GROUP 3 <input type="checkbox"/> JPL DISCREET <input type="checkbox"/> CONFIDENTIAL RESTRICTED DATA <input type="checkbox"/> GROUP 4 <input type="checkbox"/> PROJECT DISCREET <input checked="" type="checkbox"/> UNCLASSIFIED <input type="checkbox"/> PROPRIETARY <input type="checkbox"/> NOFORN <input type="checkbox"/> PUBLIC DOMAIN											
FORM OF DATA: KIND OF DATA: <input checked="" type="checkbox"/> PRINTED DOCUMENT <input type="checkbox"/> ABSTRACT <input type="checkbox"/> INSTRUCTION <input type="checkbox"/> CHART <input type="checkbox"/> BROCHURE <input type="checkbox"/> LETTER <input type="checkbox"/> DIAGRAM <input type="checkbox"/> BULLETIN <input type="checkbox"/> LIST <input type="checkbox"/> DRAWING <input type="checkbox"/> CATALOG <input type="checkbox"/> LOG <input type="checkbox"/> FILM (STATIC OR MOTION) <input type="checkbox"/> CONTRACT <input type="checkbox"/> MANUAL <input type="checkbox"/> ILLUSTRATION <input type="checkbox"/> DIRECTIVE <input type="checkbox"/> MEMORANDUM <input type="checkbox"/> MODEL <input type="checkbox"/> DISCLOSURE <input type="checkbox"/> MINUTES <input type="checkbox"/> RECORDING (TAPE OR DISC) <input type="checkbox"/> ENGINEERING CHANGE ORDER <input type="checkbox"/> PLAN <input type="checkbox"/> COMPUTER CARD <input type="checkbox"/> REQUEST FOR ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> REGULATION <input type="checkbox"/> COMPUTER TAPE <input type="checkbox"/> ENGINEERING CHANGE PROPOSAL <input type="checkbox"/> REPORT <input type="checkbox"/> MICROFILM (W/OR W/O CARD) <input type="checkbox"/> HANDBOOK <input type="checkbox"/> SCHEDULE <input type="checkbox"/> OTHER <input type="checkbox"/> INDEX <input type="checkbox"/> SPECIFICATION _____ _____ _____											
						REFERENCE DOCUMENTS:					
						APPLICABLE STANDARDS:					
REVIEWS AND/OR APPROVALS REQUIRED: (LIST IN ORDER OF SUBMITTAL)											
SUBMIT FOR REVIEW TO: _____				DRAFT		DATE		PREPUBLICATION PROOF		DATE	
_____ BY _____				_____		_____		_____ BY _____		_____	
_____				_____		_____		_____		_____	
_____				_____		_____		_____		_____	
SUBMIT FOR APPROVAL TO: _____				BY _____		_____		_____		_____	
Manager, Logistics and Support				_____		_____		_____		_____	

VOYAGER DATA REQUIREMENT DESCRIPTION - 2ND SHEET

SPECIAL INSTRUCTIONS:

DRD NO.:

LS-027

SPECIAL DISTRIBUTION: (IF DISTRIBUTION IS NOT COVERED BY AN EXISTING DDL WRITE IN DISTRIBUTION BELOW)

OUTLINE OF CONTENTS:

1. Objectives and scope
2. Requirements
 - a. Configuration
 - b. Equipment
 - c. Applicable documents
 - d. Environmental conditions
3. Special instructions
 - a. Safety
 - b. Cleanliness
 - c. Sign-off
 - d. Other as required
4. Procedure
 - a. Disassembly (as required)
 - b. Cleaning, purging, sealing, etc., as required
 - c. Final preparations
5. Data Sheets

(CONTINUE ON THIRD SHEET, IF NECESSARY, AND AFFIX TO THIS DRD.)

DOCUMENTATION RELATIONSHIP TREES

A documentation relationship tree has been prepared to show the relationships of data items within each functional category as well as their relationships across categories.

Relationships within each functional category are shown by constructing a tier pattern beginning with the top-level (or governing) data item and relating in descending order all data items within the category to this top-level data item. (The location of a data item at a given level on the diagram does not necessarily indicate the importance of that specific item but identifies and defines its relation to all other data items in that category.)

Relationships between data items in one category and data items in other functional categories are shown by (1) shaded arrows to indicate the direction of the relationship and (2) an alphabetic code to indicate the nature of the interrelationship as follows:

- a. Data items needed for preparation and/or support of the referenced item. (I)
- b. Data items that are supported or needed by this data item. (S)
- c. Data items that relate "to" and provide information of a general nature but are not required in an input or support role. (G)

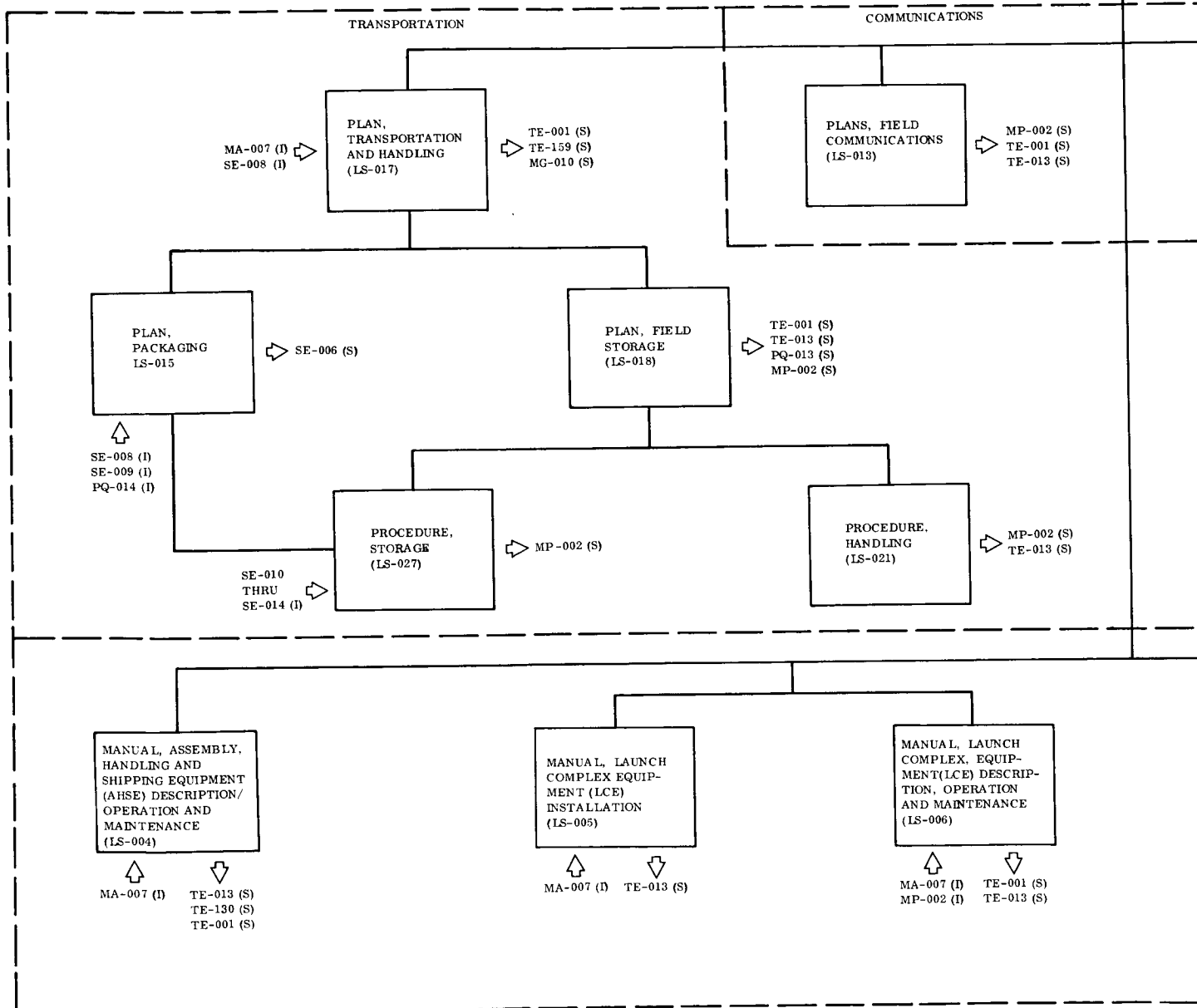
Each data item appearing on the Data Item List (DIL) was examined and evaluated with respect to its contribution to, or dependence upon, data items appearing in other categories and is included in the diagrams. Additionally, certain data elements indicated in the user flow diagrams (but currently not identified as individual data items) have been shown within a dashed rectangle to clarify relationships.

LEGEND:

- (I) INDICATES DATA ITEMS NEEDED FOR PREPARATION OR SUPPORT OF THE REFERENCED ITEM (INPUT).
- (S) INDICATES DATA ITEMS THAT ARE SUPPORTED OR NEEDED BY THIS ITEM.
- (G) DATA ITEMS THAT RELATE TO AND PROVIDE INFORMATION OF A GENERAL NATURE BUT ARE NOT REQUIRED IN AN INPUT OR SUPPORT ROLE
- △ INDICATES PRINCIPAL RELATIONSHIP (I, S, OR G) BETWEEN DATA ITEMS IN OTHER FUNCTIONAL CATEGORIES.

SC-003 (I)
MA-007 (I)
SE-010 (I)
SE-011 (I)
SE-012 (I)
SE-014 (I)
TE-046 (I)
SE-031 (I)
TE-001 (I)
MP-002 (I)

PLAN, LOGISTIC
SUPPORT (LS-012)



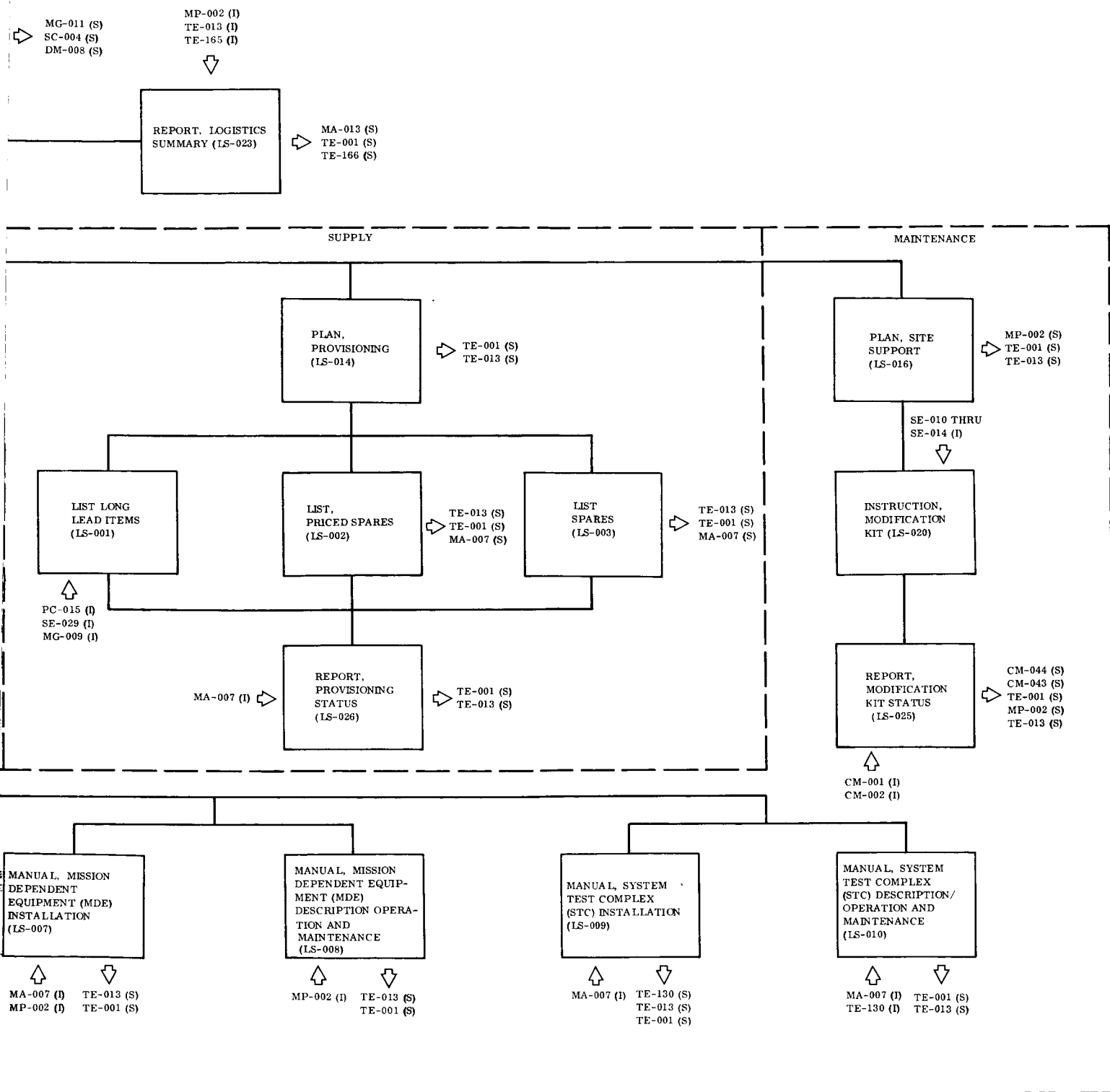


Figure H-4. Logistics and Support Documentation Relationship Tree (LS)

DATA ITEM PHASING/FREQUENCY

Frequency and phasing of preparation requirements of data items pertaining to Logistics activities are shown in Figure H-5, Logistics Data Item Phasing and Frequency Matrix. Data item preparation, except for the preparation of support plans, lags final design and hardware development and continues throughout the contract period.

Figure H-6, Logistics Data Item Density Profile, shows the density of requirements for data item preparation in averages per month per major project review period.

DATA ITEM TITLE	SDR			PDR			HDR			CDR		
	QUANTITY	FREQUENCY	TOTAL	QUANTITY	FREQUENCY	TOTAL	QUANTITY	FREQUENCY	TOTAL	QUANTITY	FREQUENCY	TOTAL
LISTS												
LS-001 *List, Long Lead Items										1	1/U	2
LS-002 List, Priced Spares										1	mo	12
LS-003 List, Spares										1	mo	12
MANUALS												
LS-004 Manual, Assembly, Handling & Shipping Equip. (AHSE) Description/Operation & Maint.										1	I	1
LS-005 Manual, Launch Complex Equip. (LCE) Installation										1	I	1
LS-006 Manual, Launch Complex Equip. (LCE) Description/Operation and Maintenance										1	I	1
LS-007 Manual, Mission Dependent Equip. (MDE) Installation										1	I	1
LS-008 Manual, Mission Dependent Equip. (MDE) Description/Operation and Maintenance										1	I	1
LS-009 Manual, System Test Complex (STC) Install.										1	I	1
LS-010 Manual, System Test Complex (STC) Description/Operation and Maintenance										1	I	1
PLANS												
LS-012 Plan, Logistics Support							1	O/T	1			
LS-013 Plan, Field Communications							1	O/T	1			
LS-014 Plan, Provisioning							1	I	1	1	U	1
LS-015 Plan, Packaging							1	I	1	1	U	1
LS-016 Plan, Site Support							1	O/T	1			
LS-017 Plan, Transportation and Handling							1	I	1	1	U	1
LS-018 Plan, Field Storage							1	I	1	1	U	1
PROCEDURES												
LS-020 Instruction, Modification Kit										1	O/T	1
LS-021 Procedure, Handling										1	O/T	1
LS-027 Procedure, Storage										1	O/T	1
REPORTS												
LS-023 Report, Logistics Summary												
LS-025 Report, Modification Kit Status												
LS-026 Report, Provisioning Status										1	wk	26
TOTALS									7			66

*Key Informal Data

A	Annual	O/T	One Time	I	Initial	CDR	Critical Design Review
S/A	Semi-Annual	A/R	As Required	F	Final	FACI	First Article Configuration
WK	Weekly	U	Update	N/R	New and Revised	MAR	Mission Acceptance Review
MO	Monthly	I/U	One Update	SDR	System Design Review	J FACT	Joint Flight Acceptance Review
B/W	Bi-Weekly	DA	Daily	PDR	Preliminary Design Review		Composite Testing
B/M	Bi-Monthly	Q	Quarterly	HDR	Hard Design Review		

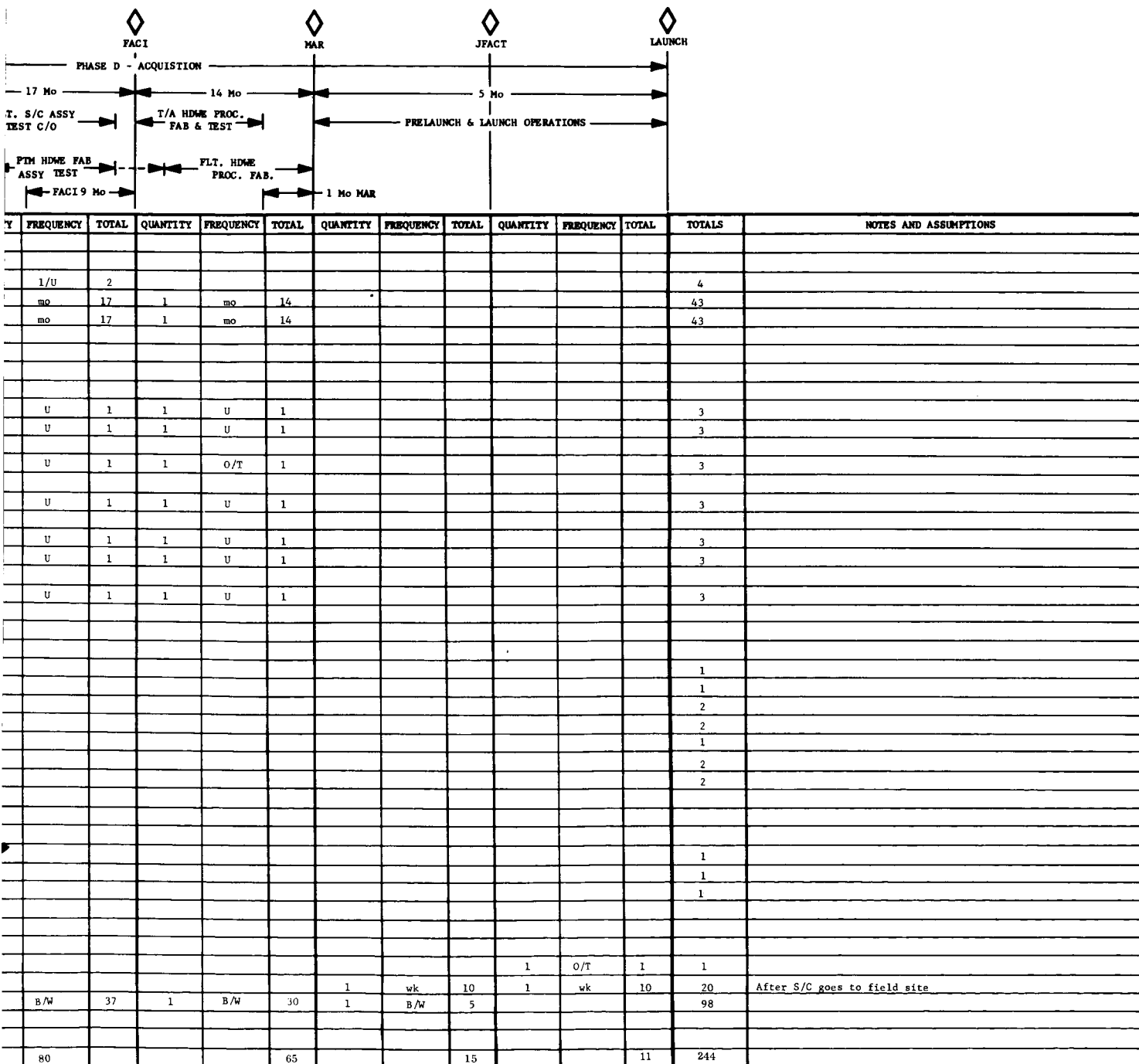


Figure H-5. Logistics Data Item Phasing and Frequency Matrix

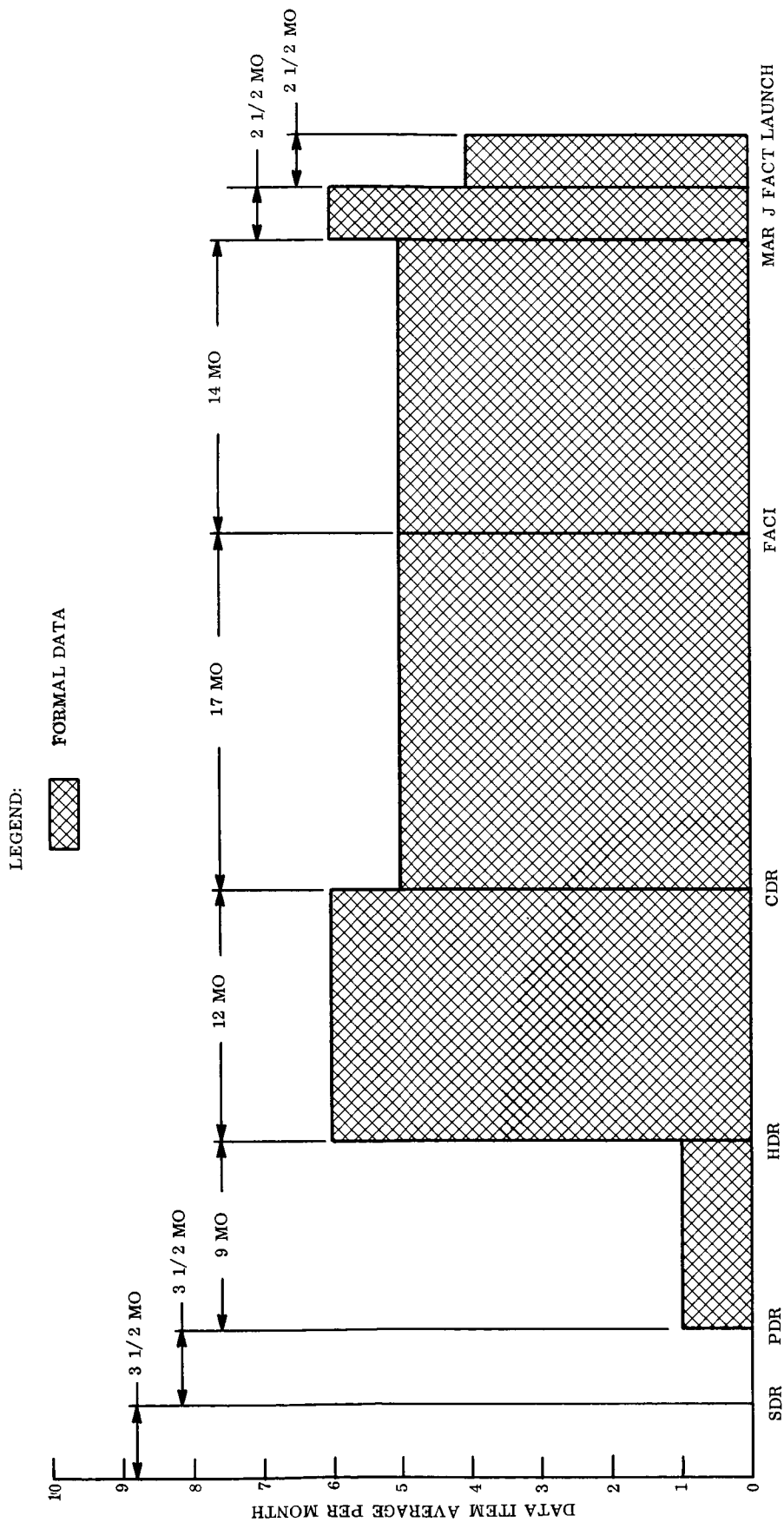


Figure H-6. Logistics Data Item Density Profile